Better By Design™

POWERMATIC®

McMinnville, Tennessee 37110 □ AC 615-473-5551

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Model 66 10" Tilting Arbor Saw

EXCLUSIVE NEW POWER—designed for use with motors from 2 to 5 HP (1.49 to 3.73 kw)! Three A—Section belts drive blade.

PRECISION MITER GAUGE—guarantees true accuracy on even largest stock. Easily adjustable in table 1-slots.

DESIGNED FOR SAFETY—saw guard and splitter have anti-kickback pawls. Guard swings away easily for blade change.

FENCE—standard equipment includes Powermatic's exclusive new posi-track fence and rail system. Optional systems now include the old cast fence and round rails and the popular T-square fence by Biesemeyer.

The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise easy-to-use saw systems. See optional accessory column for listings.

VELA industrial fence system features positive front locking, "micro-adjust", and ease in mounting and adjustment.

MITER CUT ACCURACY—T-slot type miter gauge adjusts easily, extends beyond table for bigger stock.

ADDED SAFETY—blade tilts away from fence to guard against possible binding of material against fence. Shown without guard for illustration only.

WIDE STANCED TRUN-NION—precision machined from heavy duty grey iron castings. Maintains perfect alignment for easy hand-wheel worm-gear adjustment. Exclusive C-flange motor mount relieves weight at trunnion pivot.

CAST IRON FENCE the always popular cast iron fence and round guide rail system is still available. Check optional accessory column for listing.

Sliding table allows full 50° cross-cut, accurate cut-off work, and precision mitering.

Individual action of guard sides cover blade during any and all through cutting operations.

Overarm guard (optional) with "hide away" heavy duty splitter.
STANDARD EQUIPMENT

Model 66 10" tilting arbor saw complete with GOCI-TIQUICK P/N FC66G40-40 (1210.20 mm) guide rails, extension wings, 10° carbide tipped blade, blade guard, splitter with anti-kickback pawls, arbor wrench, motor pulley and motor gauge. Less motor and controls.

BASIC MACHINES.

Model 66 Saw complete with all standard equipment. Same as 1660010 except 74" rails and cast iron extension for ripping 50° to right of blade.

MODEL 66 SAW COMPLETE WITH STANDARD EQUIPMENT PLUS 5 HP 3 PHASE 230 Volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system.

PRICE IS RIGHT MACHINES

Model 66 Saw complete with standard equipment plus 6 HP 1 phase 230 Volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system.

POWERSTAR MACHINES

Model 66 Saw complete with standard equipment plus 5 HP 1 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

1 PHASE

1660786 Model 66 Saw complete with standard equipment plus 5 HP 1 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

MOTORS

1 PHASE

1660797 Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

2 PHASE

1660798 Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

CONTROLS

1 PHASE

1660799 Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

OPTIONAL ACCESSORIES

1660800 Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

1 PHASE

1660801 Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

2 PHASE

1660802 Model 66 Saw complete with standard equipment plus 5 HP 3 phase 230 Volt motor and manual control, and Vega Industrial Fence system.

SPECIFICATIONS

Table with std. extensions 28" x 38" (711.20 mm x 965.20 mm) stock 12½" (311.15 mm) Maximum width cut-off in front of saw 3½" (79.38 mm) stock 12½" (311.15 mm) Motor power recommended 2 to 5 HP (1.49 to 3.73 kw) Speed of saw blade 3600 RPM (30.12 radians/sec) Table height 34" (863.60 mm) Weight, net motor 350 lbs. (158.6 kg) Weight, net with motor 400 lbs. (204.1 kg) Width, domestic cut of blade 500 lbs. (226.8 kg)
Model 68 12" Tilting Arbor Saw

All machines performance tested before shipment.

Accuracy engineered for every production or shop job. This heavy production leader is priced well within the budget range of the small cabinet shop or production plant which requires the extra capacity of a 12" tilting arbor saw at an economical price.

A wide spaced heavy duty cast iron trunnion rigidly supports a 1" arbor mounted in sealed ball bearings, assuring accuracy in every cut.

A heavy gauge reinforced steel cabinet supports a massive 38" X 48" cast iron table.

Table with 25" extension section and 62" rails for cutting 50" to right of saw blade (optional)

Extra Capacity—12" (304.80 mm) blade cuts stock up to 4½" (104.76 mm) at 90 degrees ranging to 2½" (73.02 mm) cut at 45 degree position at maximum height. Shown without guard for illustration only.

Individual action of guard sides cover blade during any and all through cutting operations.

Miter Cut Accuracy—T-slot type miter gauge adjusts easily, extends beyond table for wide stock.

Overarm guard (optional) with "hide away" heavy duty splitter provides maximum safety.

The posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.

ADDED SAFETY—blade tilts away from fence to guard against possible binding of material against fence. Shown without guard for illustration only.

The rugged dependability of a Powematic table saw joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise, easy-to-use saw systems. See optional accessory column for listings.
Model 68 - 12" Tilting Arbor Saw

FEATURES

TABLE: Standard table with extension wings measures 38" X 48" (965.20 mm X 1219.20 mm) is accurately machined and rib reinforced to hold a true surface.

SAW GUARD: The rigid saw guard and splitter is fitted with anti-kickback pawls. Individual action of each guard leaf covers blade through entire tilt range.

ARBOR: A large 1" blade arbor is mounted in heavy-duty sealed for life ball bearings requiring no lubrication and is driven by three V-belts for maximum power. Arbor tilts away from fence for safer operation.

FENCE: Standard equipment includes Powermatic's exclusive post-track fence and rail system. Optional systems can now include the old cast iron fence and round rails or the popular T-square fence by Biesemeyer.

MOTOR MOUNT: An exclusive wide stance trunnion accommodates a standard C-flange motor which mounts on the saw arm pivot shaft and does not place weight on the saw arm. This type of mounting relieves the saw arbor of motor weight permitting easy raising and tilting of saw blade.

MODEL 68 12" T.A. SAW STANDARD EQUIPMENT

Model 68 12" tilting arbor, equipped with rip fence, miter gauge, guide rails, blade guard splitter w/anti-kickback pawls, two table extension wings, three motor belts, arbor pulleys, motor cover, and combination saw blade. Less: motor and controls.

BASIC MACHINE

1680010 Model 68 saw with all standard equipment. Less: motor and controls
1680030 Same as 1680010 equipment except with 82" rails and cast iron extension for ripping 50" to right of saw

PRICE IS RIGHT MACHINES

1680170 Model 68 saw complete with all standard equipment plus 5 HP 3 phase 230 volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system.
1680180 Model 68 saw complete with all standard equipment plus 3 HP 1 phase 230 volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system.

1 PHASE

6472028 3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v TEFC, 145 TC frame
6472335 5 HP (3.730 kw), 60 Hz, 3600 RPM (379.99 rad/s), 230v, 184C frame, TEFC. Requires magnetic control 2398551

3 PHASE

6472024 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145 TC frame

MOTORS

3 PHASE

6472025 3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145 TC frame
6472307 5 HP (3.730 kw), 60Hz, 3600 RPM (379.99 rad/s), 230/460v, TEFC, 184C frame
6472327 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184C frame

REFERENCES TO USE WITH MODEL 68 T.A. SAW

3 PHASE

2398230 JIC Controls 200/230/450/575v
2398332 Magnetic Controls, 200/230/460/575v
*239946 Magnetic Controls, 200/230/460/575v, w/24v transformer
9100003 Conduct in lieu of standard wiring
*May be specified with 110v transformer

OPTIONAL ACCESSORIES

2653006 64" round rails for ripping 26" to the right of the blade
2653014 66" rails for Post-track fence
2653018 82" rails for Post-track fence
2761025 Fence mtg. stock stop
6077004 Motor belts (3 required) 4L230, Wt. 8 oz. (23 kg)
6080048 12" combination blade 1" (25.4 mm) bore
6253056 Biesemeyer T-square fence and rail system for ripping 50" to right of blade (in lieu of standard fence and rails)
6441000 Set of 2 legs for 6627019 table
6827019 Formica toped table for 50" capacity T-square fence system

SPECIFICATIONS

Table height. .................................................................................. 35" (889.00 mm)
Table size with extension wings ............................................... 38" X 48" (965.20 mm X 1219.20 mm)
Arbor diameter .................................................................................. 1" (25.4 mm)
Saw blade diameter ............................................................................. 12" (304.80 mm)
Blade tilt (left only) ............................................................................. 45 degrees
Maximum depth of cut ...................................................................... 4 1/16" (104.78 mm)
Maximum rip to right of blade with standard extensions .................................................. 30" (762.00 mm)

Maximum rip to left of blade with standard extensions, standard fence .................................................. 24" (609.60 mm)
Maximum rip to right of blade with long extensions, standard fence .................................................. 50" (1270.00 mm)
Maximum width of dado ...................................................................... 7/16" (20.64 mm)
Shipping weight, with motor .......................................................... 775 lbs. (351.63 kg)

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Model 72 12" - 14" Tilting Arbor Saw

Meet the heavy weight "Performance Master" in Powermatic's tilting arbor saw line! This 12"-14" saw is designed for big job performance, dependability, and unmatched value. Exclusive features include a C-flange motor mount which relieves the arbor assembly from all weight. Not only does this assure easier raising and tilting of the saw blade, but permits tilting the saw blade to the left, away from the fence for safer operation.

The unique saw guard and splitter features new positive work hold anti kickback pawls and individual action of each saw leaf covers blade through entire tilt range. The new "lift off" Posi-track fence provides effortless adjustment and positive alignment on all ripping operations.

Table with 25" extension section and 82" rails for cutting 50" to right of saw blade (optional)

Extra Cut-Off Capacity table in front of blade is full 21" (533.40 mm) at 1" (25.40 mm) cut.

The posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.

ADDED SAFETY—blade tilts away from fence to guard against possible binding of material against fence. Shown without guard for illustration only.

The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise easy-to-use saw systems. See optional accessory column for listings.

Individual Action of each guard leaf covers blade through entire tilt range. Saw blade is not exposed to operator.

Miter Cut Accuracy—T-slot type miter gauge adjusts easily, extends beyond table for wide stock.

Extra Capacity—14" (355.60 mm) blade cuts stock up to 51/2" (130.18 mm) at 90 degrees ranging to 3½" (92.08 mm) cut at 45 degree position at maximum height. Shown without guard for illustration only.
### TABLE:
Standard table with extension wings measures 38" X 48" (965.20 mm X 1219.20 mm) is accurately machined and rib reinforced to hold a true surface.

### SAW GUARD:
The rigid saw guard and splitter is fitted with anti-kickback pawls. Individual action of each guard leaf covers blade through entire tilt range.

### ARBOR:
A large 1" blade arbor is mounted in heavy-duty sealed for life ball bearings requiring no lubrication and is driven by three V-belts for maximum power. Arbor tilts away from fence for safer operation.

### FEATURES:
- **Fence:** Standard equipment includes Powermatic’s exclusive Posi-track fence and rail system. Optional systems can include the old cast iron fence and round rails or the popular T-square fence by Biesemeyer.
- **Motor Mount:** An exclusive wide stance trunnion accommodates a standard C-flange motor which mounts on the saw arm pivot shaft and does not place weight on the saw arm. This type of mounting releases the saw arbor of motor weight permitting easy raising and tilting of saw blade.
- **Blade:** Machine uses a 12" diameter saw blade but this saw easily accommodates a 14" blade for extra cutting depth capacity of 5/16".

### 12"—14" T.A. Saw Standard Equipment:
Model 72 12"—14" Tilting Arbor Saw: Rip fence, miter gauge, guide rails, blade guard, splitter with anti-kickback pawls, two table extension wings, motor belts, arbor, motor cover and pulleys. Less motor, controls, and saw blade.

### Basic Machines:
1720120 Model 72 saw complete with standard equipment less motor and controls
1720150 Model 72 saw complete with standard equipment except with 82° rails and cast iron extensions for ripping 50° to right of saw blade
1720180 Model 72 saw complete with all standard equipment plus 71/2 HP 3 phase 230 volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system
1720190 Same as 1720180 except with overarm guard in lieu of standard
1720170 Same as 1720150 except with overarm guard in lieu of standard

### Price Is Right Machines:
1720280 Model 72 saw complete with all standard equipment plus 71/2 HP 3 phase 230 volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system
1720281 Model 72 saw complete with all standard equipment plus 5 HP 1 phase 230 volt motor and magnetic controls, and Model 50 Biesemeyer T-Square Fence system

### Motors:
- 6472327 5 HP (3,730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v, TEF, 184C frame.
- 6472504 7 1/2 HP (5,959 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEF, 184C frame.
- 6472511 7 1/2 HP (5,959 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v, TEF, 184C frame.

### Motor Recommendations:
- 5 or 7 1/2 HP, (2,238, 3,720, 5,595 kw) for 12" (304.80 mm) T.A. Saw.
- 5 or 7 1/2 HP (3,720, 5,595 kw) for 14" (355.60 mm) T.A. Saw.

### Controls:
- 3 Phase 2398331 Magnetic Controls, 230v.
- 2398346 Magnetic Controls, 230v, w/24v transformer.

### Optional Accessories:
- 2653014 66" rails for post-track fence
- 2653018 82" rails for post-track fence
- 2761025 Fence mgt., stock stop
- 6077169 Motor belts (3 required 3V-250) Wt. 8 oz. (22 kg)
- 6080048 12" (304.80 mm) combination saw blade 1" (25.40 mm) bore. Wt. 1.6 lbs. (8 kg)
- 6080119 14" (355.60 mm) combination saw blade 1" (25.40 mm) bore. Wt. 2 lbs. (9 kg)
- 6253305 Biesemeyer T-Square Fence and rail system for ripping 50° to right of blade (in lieu of standard fence and rail)
- 6411000 Set of 2 legs for 6827019 table
- 6827019 Formica topped table for 50" capacity T-Square fence system

### Specifications:
- Maximum rip to right of blade, with standard extensions...
- Maximum rip to right of blade, with long extensions...
- Maximum rip to left of blade, with standard extensions...
- Maximum rip to left of blade, with long extensions...
- Maximum width of cut-off...
- Maximum width of dado...
- Shipping Wt., with motor...

### Table:
- Table Height: 36" (914.40 mm)
- Table Size: 38" x 48" (965.20 mm x 1219.20 mm)
- Arbor Diameter: 1" (25.40 mm)
- Saw Blade Diameter: 12" (304.80 mm) or 14" (355.60 mm)
- Blade tilt (left only): 45 degrees
- Maximum Depth of cut, 12" (304.80 mm) blade 90 degrees: 4 1/8" (104.78 mm)
- Maximum Depth of cut, 14" (355.60 mm) blade 90 degrees: 5 1/16" (130.18 mm) (14") (355.60 mm) blade is 1/16" (15.88 mm) above table top at lowest position.

www.OzarkToolManuals.com
Model 74 - 12" Tilting Arbor Scoring Saw

The first American made tilting arbor saw designed to cut panels of plywood, veneer, formica, plastic laminate or chipboard without ugly and costly chipping on the bottom of the workpiece.

The model 74 - 12-14" tilting arbor saw is fitted with a scoring blade, adjustable in height, which fits in front of the main saw blade and is set to "score" or make a small relief cut in the underside of the material before it reaches the main blade. This relief eliminates the chipping normally caused by the main saw blade.

Table with 25" extension section and 82" rails for cutting 50" to right of saw blade (optional).

Exclusive new posi-track fence features positive alignment, excellent repetitive cuts, lift off and installation at any position and replaceable, interchangeable or reversible hardwood face plates.

The first American made saw to feature scoring - minimize panel chipping.

Guard hold down - a unique spring loaded hold down helps prevent panel lift by the blade during scoring operations.

The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biesemeyer T-square saw fence, creates the ultimate in precise, easy-to-use saw systems. See optional accessory column for listings.

Miter Cut Accuracy - miter gauge adjusts easily, extends beyond table for wide stock.

Overall guard (optional) with hide away heavy duty splitter provides added safety.

The scoring blade is independently adjustable and may be moved below the surface of the table when performing regular tilting arbor saw functions. A separate On/Off switch controls the scoring motor permitting either sawing and/or scoring.
Model 74 - 12” Tilting Arbor Scoring Saw

**Features**

| TABLE: Standard table with extension wings measures 38” x 48” (965.20 mm x 1219.20 mm) is accurately machined and rib reinforced to hold a true surface. |
| SAW GUARD: The special guard and splitter designed to cover both tables, is also equipped with a spring loaded front hold-down which prevents thin material from lifting during the initial contact with the scoring saw. The anti-kickback pawls are heavy-duty stampings with sharp teeth which dig in to help stop kickback. |
| ARBOR: A large 1” blade arbor is mounted in heavy-duty sealed for life ball bearings requiring no lubrication and is driven by three V-belts. Motor tilt away from fence for safer operation. |
| MOTOR MOUNT: An exclusive wide stance trunnion accommodates a standard C-flange motor which mounts on the saw arm pivot shaft relieving the arbor of motor weight. This mounting permits easy raising and tilting of saw blade. |
| FENCE: Standard equipment includes Powermatic’s exclusive post-track fence and rails. Optional systems include the old cast iron fence and round rails or the popular T-square fence by Biesemeyer. |

**Standard Equipment**

Model 74 12”—14” scoring tilting arbor saw equipped with rip fence, miter gauge, cast iron extension wing, blade guard and splitter with anti-kickback pawls, belts, motor cover and motor pulley, less motors and controls.

**Basic Machines**

| 1740010 Model 74 12-14” scoring tilting arbor saw with all standard equipment, less motor and controls. |
| 1740020 Model 74 12-14” scoring tilting arbor saw with standard equipment except with cast iron extension rails for ripping 90° to right of saw blade. |

**Price Is Right Machine**

| Motor, magnetic controls and carbide-tipped 12” and 4” saw blades, and Model 50 Biesemeyer T-Square Fence system. |

**Motors**

| 1 Phase |
| 6472028 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v TEFC, 145T5 frame. |
| 6472335 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, 184C frame, TEFC. Requires magnetic control 2398551. |

**3 Phase**

| 6472307 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v 1PhC, 184C frame. |
| 6472327 5 HP (3.730 kw) 60Kz, 3600 RPM (376.99 rad/s), 200v TFC, 184C frame. |

**Controls**

| 2398535 Magnetic Controls, 230v - 1 phase (230 Volts only). |
| 2398536 Magnetic Controls, 200/230/460/575v. |

**Optional Accessories**

| 2104016 Motor Cover |
| 2195009 Aluminum fence for round rails. Wt. 25 lbs. (1131 kg) |
| 2195025 Post-track fence |
| 2250113 Blade guard and splitter assembly. Wt. 5 lbs. (2.3 kg) |
| 2250115 Safety-flex over arm guard assembly. Wt. 10 lbs. (4.5 kg) |
| 2250201 Standard insert with leveling screws. Wt. 1/2 lbs. (0.45 kg) |
| 2250022 ITXD insert with levelling screws. Wt. 1/4 lbs. (0.57 kg) |
| 2250002 Standard insert with levelling screws. Wt. 1/4 lbs. (0.57 kg) |
| 3471006 Miter gauge |
| 2553003 80” table rails with mating hardware for ripping 50° (1270 mm) to right of saw blade (for fence 2195009). |
| 2553014 66” rails for post-track fence |
| 2553018 82” rails for post-track fence |
| 6077165 Scoring motor belt, 74950. Wt. 2 oz. |
| 6077169 Main motor belt (3 req.) 3V-250. Wt. 8 oz. (0.22 kg) |

**Specifications**

| Table Height | 35” (899.00 mm) |
| Table size std. extension | 38” x 48” (965.20 mm x 1219.20 mm) |
| Table size long extensions | 38” x 73” (965.20 mm x 1859.2 mm) |
| Arbor diameter | 1” (25.4 mm) |
| Saw blade diameter | 12” (304.80 mm) or 14” (355.60 mm) |
| Blade tilt (left only) | 45 degrees |
| Maximum depth of cut, 12” (304.80 mm) blade | 90 degrees |
| Maximum depth of cut, 14” (355.60 mm) blade | 90 degrees |
| Maximum depth of cut, 14” (355.60 mm) blade | 90 degrees |

Standard fence surface 3/4” (82.56 mm) x 43/4” (111.44 mm) Maximum rip to right of blade, with standard fence and extensions 10” (250.00 mm) Maximum width of cut-off 1” (25.40 mm) stock 21” (533.40 mm) Maximum multi of cut-off 3/8” (10.16 mm) stock 1” (431.80 mm) Maximum width of dado 1” (25.40 mm) Shipping Weight, with motors and controls 5HP std. machine 1000 lbs. (451 kg)
THE TEAM SYSTEM OFFERS

- Unmatched precision, power and flexibility
- Up to 7½ HP cutting capacity
- Repeatability to within 1/64"

Two woodworking pros teamed up to provide the most durable, precise saw system on the market. The rugged dependability of a Powermatic table saw, joined with the consistent accuracy of a Biese-meyer T-square fence, creates the ultimate in precise, easy to use saw systems.

POWERMATIC. BIESEMEYER. T-SQUARE™ SAW FENCE.

The drawing above shows how Front Rail and Guide attach to existing Sawtable.
T-SQUARE™ SAW FENCE SYSTEMS MODELS

NOTE: Machines that include the Biesemeyer 50" T-Square Fence as standard may be purchased with other capacity Biesemeyer fences at attractive "in-lieu of" prices.

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Choice Of Variable-Speed Drive Or Four-Speed Model

Another pace setting achievement of Powermatic engineering. The Model 95 Scroll Saw is unsurpassed in quality, features, and all around ruggedness. Designed and produced by popular demand, this 24" (609.60 mm) unit is ideally suited to cabinet, school and pattern shops. Use it as a jig saw, saber saw or filing machine... and get more value, more use, and greater accuracy at less cost. Constructed of cast iron and steel, the Model 95—24" (609.60 mm) Scroll Saw is engineered to minimize distortion.

Blade Guide
This hardened steel guide & roller assembly maintains precise alignment and blade support. Note heavy duty spring hold-down. Tilts for support on all angle cuts.

Variable Speed
Variable speed is ideally suited for cutting all materials. Adjustment accomplished through conveniently located handwheel (Variable speed models only)

Lower Chuck
Another Powermatic first. This steel chuck guarantees positive grip for all blades.

Depth Of Cut
Cuts up to 1 3/4" (44.45 mm) thick. Will rip to center of 48" (1219.20 mm) panel. Just remove cast iron arm for saber work on large panel.

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# Model 95 Scroll Saw

**Features**
- Rugged two-piece cast iron base and over-arm, precision machined, with over-arm removable for use as saber saw.
- Pressed steel belt guard completely houses drive belt.
- Drives Available: Variable Speed for infinitely variable speeds or 4-speed drive.
- Table: Massive 14" x 15" (355.60 mm x 381.00 mm) table of finest cross ribbed grey iron castings, machine-ground to precision tolerance. Table tilts 45 degrees right, 15 degrees left for normal cutting and turns 90 degrees for ripping and saber blade use.
- BLOWER: Standard equipped with chip blower which directs a steady stream of air to cutting area, keeping work free of sawdust.
- CRANKSHAFT: Ball bearing crankshaft is automatically lubricated by splash system in all tight crankcase.
- TRUNNION: A heavy duty double trunnion provides rigidity and positive lock in all positions.
- HEAD: A special cast aluminum head assures long life and trouble free operation.
- SPRING: A heavy tension spring over the saw blade is adjustable to blade type and cutting requirements.

**Standard Equipment**
- Motor, Controls and Stand.

**Basic Machines**
- 1950100 Model 95-24" four speed scroll saw complete with all standard equipment, plus 1/3 HP 1 Phase, 115 volt motor and manual switch.
- 1950110 Model 95-24" variable speed scroll saw complete with all standard equipment, plus 1/3 HP 1 Phase, 115 volt motor and manual switch.

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<th>Model</th>
<th>Description</th>
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<tr>
<td>1950070</td>
<td>Model 95-24&quot; Scroll Saw with standard equipment for variable speeds. Less: Motor, Controls and Stand.</td>
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<tr>
<td>1950120</td>
<td>Model 95-24&quot; variable speed scroll saw complete with all standard equipment, plus 1/3 HP 3 Phase, 230 volt motor and manual switch.</td>
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<tr>
<td>1950130</td>
<td>Model 95-24&quot; four speed scroll saw complete with all standard equipment, plus 1/3 HP 3 Phase, 230 volt motor and manual switch.</td>
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**Price is Right Machines**
- 6470203 1/3 HP (249 kw), 60Hz, 1800 RPM (188.5 rad/s), 115/230V, TEFC, 56 frame.
- 6470208 1/3 HP (249 kw), 60Kz, 1800 RPM (188.5 rad/s), 200v, TEFC, 56 Frame
- 6470215 1/3 HP (249 kw), 60Hz, 1800 RPM (188.5 rad/s), 230/460v, TEFC, 56 Frame

**Motors**
- 2205002 Lower Blade Chuck Assembly, Wt. 1 lb. (45 kg)
- 2205003 Upper Blade Chuck Assembly, Wt. 1 lb. (45 kg)
- 2204001 Variable Speed Assembly Kit, Wt. 3 lbs. (1.36 kg)
- 2204007 Upper Blade Tension Assembly, Wt. 1 lb. (45 kg)
- 2205014 Stand, Wt. 41 lbs. (18.6 kg)
- 2205050 Belt Guard, Wt. 3 lbs. (1.36 kg)
- 8077011 V Belt, Variable Drive, 4L350, Wt. 8 oz. (23 kg)

**Controls**
- 2398471 Switch, 200/230/460/575v
- 2204007 JIC Controls, 200/230/460/575v [For wall mount only].

**Optional Accessories**
- 6077013 V Belt, 4 speed drive, 4L370, Wt. 8 oz. (23 kg)
- 6080005 Jigsaw blade for hard and soft wood—20 T
- 6080004 Jeweler's saw blade for nonferrous materials—10 T
- 6080005 Jigsaw blade for hard and soft wood—10 T
- 6440005 Work Lamp, Wt. 10 oz. (28 kg)

**Specifications**
- Capacity, Arm to saw: 24" (609.60 mm)
- Thickness of cut: 1/16" (4.45 mm)
- Table size: 14" x 15" (355.60 mm x 381.00 mm)
- Table tilt: 45 degrees R, 15 degrees L, 45 degrees front
- Table front/Body: 42½" (1079.16 mm)
- Overall Height: 54½" (1384.30 mm)
- Width: 14" (355.60 mm)
- Length: 36" (914.40 mm)
- Var. Speeds: 807 to 1653 CSM
- Step Speeds: 610, 910, 1255, 1725, CSM
- Weight Crated, with stand and motor: 220 lbs. (99.8 kg)
- Weight Crated, less stand with motor: 179 lbs. (81.2 kg)
Model 27 Shaper

All machines performance tested before shipment.

Designed to increase productivity and accuracy in the industrial shop, the Model 27 Spindle Shaper is a rugged, dependable, multi-purpose tool constructed to accommodate three interchangeable spindles and a 3/4", 1", and 1 1/4" solid spindle for extra heavy duty work. The 1 1/4" solid spindle with 4 1/2" and 6" safety collars is standard and is much more rigid eliminating the need for "bushing down" 1 1/4" cutters. The Model 27 is also equipped with the new Accu-Fence. The Accu-Fence provides a new level of precision adjustment for both the infeed and outfeed fences. To help meet OSHA's standard for dust control, a built-in 4" outlet for dust collection hook-up is standard.

1 1/4" Solid Spindle
Provides extra rigid support for large raised panel cutters. 4 1/4" capacity under the nut.

Starting Pin
A standard accessory, starting pins facilitate easy initial cuts on freehand shaping.

Spindle Drive
Enlarged motor and spindle pulleys and the 3x1 belt transfers more horsepower to the spindle. Using the step pulleys, spindle speeds of 7,000 and 10,000 RPM can easily be obtained.

Magnetic Starter
Magnetic starter provides low voltage and overload protection for the motor. Reversing switch is standard in all Price is Hight Model 27's.

Accu-Fence
Standard on all Model 27's. Precision adjustment of infeed and outfeed fences, positive quick-lock mechanism, and a built-in 4" dust collection shroud are just some of the features of the Accu-Fence.

Cutterhead Guard
Fully adjustable guard can be repositioned forward or backward and up and down.
Performance Proven...
Utmost Flexibility,
Precision and
Simplified Operation.

TABLE: 28" x 29½" (711.20mm x 749.30mm) (including one extension wing) is made from grey iron castings, rib reinforced for maximum rigidity. Removable 3", 4½", & 7" (76.20mm, 106.36mm & 177.80mm) inserts make possible the use of any cutter the safe way undercutting. This feature is especially desirable for raised panel cuts.
BASE: Table is supported by a heavy gauge steel cabinet with clean cut-out.
ACCU-FENCE: The cast iron fence is precision machined and faced with hardwood blocks. Precision fine tune adjustment is easily accom-

FEATUERS
plished and locked into position with “quick-lock” handles. A 4” integral dust shroud is also standard.
SPINDLE: Mounted in heavy duty precision ball bearings. Spindles—available include interchangeable 3/4” (12.70mm), 1/2” (12.70mm) Stub and 3/4” (10.06mm) and 3/4”, 1” and 1¼” (10.05, 25.40, and 31.75mm) extra long solid.
SPINDLE SPEED: The spindle is driven by a two speed "V" pulley, for spindle speeds of 7000 and 10,000 RPM (733 rad/s and 1047 rad/s), the most recommended speeds for both large and small cutters.

STANDARD EQUIPMENT
Accu-Fence, 4” dust outlet, 1/8” (12.70mm) and 1/4” (19.05mm) interchangeable spindles, 3 table inserts, wrenches, motor cover, arbor pulley and belt, and work hold-down guides. Less: Motor and Controls. Includes 9” table extension.

BASIC MACHINES
1270010 Model 27 Spindle Shaper with all standard equipment. Less: Motor and Controls.
12/0030 Model 27 Spindle Shaper with all standard equipment except with 1/2” (25.40mm) solid spindle in lieu of 1/4” interchange.

PRICE IS RIGHT MACHINES
1270050 Model 27 Spindle Shaper with all standard equipment except 1/4” solid spindle, 5 HP, 3 Phase, 230 volt motor, magnetic controls and reversing switch.
1270100 Model 27 Spindle Shaper with all standard equipment, 1/2” and 3/4” interchangeable spindles, 3 HP, 1 Phase, 230 volt motor, magnetic controls and reversing switch.
1270110 Model 27 Spindle Shaper with all standard equipment except 1/4” solid spindle, 3 HP, 1 Phase, 230 volt motor, magnetic controls and reversing switch.

MOTORS
1 PHASE
647107 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 115/230v, TEFC, 145T frame.
6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230 volt, 145T frame.
6472328 5 HP (3.735 kw), 60Hz, 3600 RPM (376.99 rad/s), 230 volt, TEFC, 184T frame.

3 PHASE
6471070 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145T frame.
6471071 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145T frame.
6472026 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145T frame.
6472319 5 HP (3.735 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 184T frame.

CONTROLS
1 PHASE
2398044 Magnetic Controls, 115/230v.
2398155 Switch, 115/230v.
2398202 Reverse Switch, 115/230v.
2398485 Magnetic Controls, 115/230v, w/24v transformer.

3 PHASE
2398051 Magnetic Controls, 200/230/460/575v.
2398154 Switch, 200/230/460/575v.
2398203 JIC Controls, 200/230/460/575v.
2398249 Reverse Switch, 200/230/460/575v.
2398480 Magnetic Controls, 200/230/460/575v, w/24v transformer.
9100003 Conduit in lieu of Standard Wiring.
OPTIONAL ACCESSORIES

2024013 ¼" (12.70 mm) Stub Spindle. Wt. 4 lbs. (1.8 kg)
2195037 Accu-Fence retrofit
2259016 Work Hold-down Guides. Wt. 5 lbs. (2.3 kg) (Std. Equip.)
2471010 Mitre Gauge. Wt. 4 lbs. (1.8 kg)
2749003 ¼" (19.05 mm) Interchangeable Spindle. 3" (76.20 mm) under nut. Wt. 1 lb. (0.45 kg)
2749004 ¼" (12.70 mm) Interchangeable Spindle. 2¼" (57.15 mm) under nut. Wt. 8 oz. (0.23 kg)
2749050 ¼" (31.75 mm) solid spindle and quill assembly.
2749052 ¼" (19.05 mm) solid spindle and quill assembly.
2749053 1" (25.4 mm) solid spindle and quill assembly.
3160008 8" x 28" (203.2 mm x 711.20 mm). Table Extension for use without fences. Wt. 28 lbs. (12.7 kg)
3585014 Starting Pins. Wt. 6 oz. (0.17 kg)
6028024 ¼" router bit adaptor
6028025 ¼" adaptor sleeve for use with router bit

SPECIFICATIONS

Table size ........................................ 28" x 29½" (711.20 mm x 749.30 mm)
Table extension ........................................ 8" (203.20 mm)
Table height ........................................ 34" (863.60 mm)
Spindle opening diameters ............... 5½" (139.70 mm), 4½" (101.60 mm)
Other spindles available .................... 3½" (7.94 mm) and 5½" (17.00 mm)

Cutter Listing ¼" bore only

6178031 Shaping Cutter (Set 11 Pcs) 6178032 thru 6178042
6178032 ¼" (6.35 mm) Tongue and Groove Cutter
6178034 Glue Joint Cutter
6178035 Screen Mould Cutter
6178036 Moulding Cutter
6178037 Beading Cutter
6178038 Table Edge Cutter
6178039 Moulding Cutter
6178040 1" (25.40 mm) Straight Face Cutter
6178041 ½" (12.70 mm) Straight Face Cutter
6178042 ¼" (6.35 mm) Straight Face Cutter
6178043 Door Lin
6178044 Moulding
6178045 Moulding
6178046 Radius Edging
6178047 Moulding
6178048 Sash and Door
6178049 Set ½", Bore ¼" wide depth collars, ¾", 1½", 1", 1½", 1⅛"
Features
Performance in a class by itself. The Model 27PS Powerstack Shaper is the latest innovation in manual shaping. It combines a two position spindle with the Extra HP required for heavy duty shaping. The Powerstack spindle allows for the use of rough to finish or two pattern cutters in one set up.

The Powerstack shaper will easily facilitate work being performed with the shaper fence or templates. Featuring 3 HP for single phase, 5 HP for three phase, and a time tested and proven spindle design, this new shaper is designed for convenience and increased production.

STANDARD EQUIPMENT
Model 27PS shaper with 1¼” Powerstack spindle and quill assembly, fence, dust chute, 3 table inserts, wrenches, motor cover, arbor pulley, motor pulley, and belt, motor (3 HP or 5 HP) and work hold-down guides.

BASIC MACHINES
1273010 Model 27PS Shaper with Powerstack 1¼” solid spindle, all standard equipment, 5 HP, 3 Phase motor and magnetic controls. 230 volt only please.

OPTIONAL ACCESSORIES
2253016 Work Hold-down Guides Wt. 5 lbs. (2.3 kg) (Std. Equip.)
2471010 Miter Gauge, Wt. 4 lbs. (1.8 kg)
3196008 8” x 28” (203.2 mm x 711.20 mm) Table Extension for use without fence. Wt. 28 lbs. (12.7 kg)
3585014 Starting Pins, Wt. 6 ozs. (.17 kg)

SPECIFICATIONS
Table Size ........................................28" x 29½" (711.20 mm x 749.30 mm)
Table Extensions........................................8” (203.20 mm)
Table Height...........................................24” (609.60 mm)
Spindle Openings.....................................5½", 4", 2½", 1½"
Spindle Size...........................................1¼” (31.75 mm)
Spindle Capacity Under Nut..........................4½” (123.82 mm)
Spindle Travel.......................................1¼” -2” vertical (31.75 - 50.8 mm)

Spindle Speeds......................................7,000 RPM & 10,000 RPM

Largest table opening................................7” (177.00 mm)
Fence Size (Each Side)..............................3½” x 12” (83 mm x 305 mm)
Horsepower..........................................(Single Phase - 3) (Three Phase - 5)
Weight, Grated.........................................495 lbs.
Weight, Export Boxed...............................650 lbs.
Smaller shops everywhere applaud the features of this mighty mite of the Powermatic planer line. Though small in size, cabinet, school, pattern and light-duty millwork shops have found the Model 100 completely adequate for the most precise requirements.

Incorporating many famous features of the larger Powermatic planers, this low-cost model is providing its dependable superior performance year-in and year-out in every type of shop.

**Smother Surfacing Saves Finishing Time.**
The unique chipbreaker construction, adjustable pressure bar and synchronized operation of cutterhead and feed rollers assure smooth surfacing for a wide variety of stocks at maximum speed. The extra size 12” x 24” (304.80 mm x 609.60 mm) one-piece bed assures greater infeed and outfeed support of long stock for more accurate surfacing.

See how fast the Model 100 will start paying for itself in your shop with increased production.

**Built For Heavy Workloads**
Top rollers and pressure bar adjustments are fully visible and can be adjusted without removing guards. Positive clutch to start or stop feed rolls.

**Convenient Bed-Adjustment Hand-Wheel**
Acme-thread screws which operate in ball thrust bearings elevate bed. Easy-to-read thickness gauge. One-piece cast iron frame insures long term durability.

**Jackscrews Speed Accurate Knife Setting**
A standard feature. Set and secure all cutterhead knives quickly and accurately. Adjust knife support jackscrews (A) with Allen wrench and pressure-lock knife safety shim (B) with end wrench.
Model 100
12" Planer

FEATURES
 FRAME: Precision machined from extra heavy one-piece cast iron. All bearing housings are line-bored for perfect bearing alignment.
 BED: 12" x 24" (304.80 mm x 609.60 mm). Built of heavy rib-reinforced cast iron, precision ground to satiny smoothness for smooth finishing. Convenient hand wheel adjusts bed through full 5" (127.00 mm) range, with ¼" (0.18 mm) movement for each complete turn. Adjacent front-mounted gauge is calibrated for quick, easy reading.
 CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 3 high-speed knives. Mounted in sealed ball bearings, the entire cutterhead unit may be lifted free by removing feed drive pulley and two locking screws from flange mounting. Operating speed is 2350 RPM (1529 mm/s). Making 16,000 cuts per minute (72 knife cuts per inch. 2,835 knife cuts per mm). See Knife Adjustment feature on previous page.
 FEED ROLLS: Corrugated infeed roller and smooth outfeed roller are 8" (50.80 mm) in diameter and driven with extra heavy pitch gears. 1" (25.40 mm) diameter feed roller journals are mounted in 3" (76.20 mm) bearing blocks for longer bearing life. Feed roller pressure springs are top mounted over roller and fully visible for quick adjustment.
 PRESSURE BAR: Features extra wide foot and is mounted extremely close to cutterhead for accurate out-of-feed control. Easy to adjust from either end.
 CHIPBREAKER: Mounted adjacent to cutting circle for top quality finishing. Accurately machined foot is extra wide for longer wear.
 POWER FEED CONTROL: Handy clutch lever to start and stop feed instantly without stopping power. 16 feet-per-minute feed rate at 500 RPM cutterhead speed.
 STOCK CAPACITY: Surfaced stock up to 12" (304.80 mm) wide and from 1/4" x 1/4" (1.59 mm) to 5" (127.00 mm) thick. Stock length can be as short as 1/2" (190.50 mm).
 POWER: 2 HP (1.492 kw) motor is adequate for light and medium work; 3 HP (2.238 kw) motor is recommended for heavy-duty operation. Motor is furnished with 2-groove drive pulley.
 FEED DRIVE: Positive action V-belt drive assures smooth, trouble-free stock feed. Feed problems associated with gear transmissions are eliminated.

STANDARD EQUIPMENT
 Model 100—12" Planer. Set of 3 high speed M-2 tool steel knives, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutterhead pulley, knife wrench, motor pulley, floor stand, belts and swivel type motor base. Less: Motor and Controls.

BASIC MACHINES
 1000015 Model 100 Planer complete with all standard equipment. Less: Motor and Controls.

PRICE IS RIGHT
 1000092 Model 100 Planer with all standard equipment, plus 3 HP 1 Phase 230v motor and magnetic controls.

POWERSTARS
 1000008 Model 100 Planer with all standard equipment, plus 2 HP 2 Phase, 230 volt motor and manual switch.

MOTORS
 6471707 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 14ST frame.
 6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 14ST frame.

CONTROL
 6471706 2 HP (1.492 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 14ST frame.

CONTROLS
 2398383 Switch, 115/230v
 2398385 Magnetic Controls, 115/230v
 2398486 Magnetic Controls, 115v, 230v, w/44 transformer
 2398185 Magnetic Controls, 200/230/460/575v

OPTIONAL ACCESSORIES
 2290002 Bed and Feed Roll Gauge. Wt. 1/2 lbs. (66 kg)
 2290007 Cutterhead Gauge. Wt. 1 lb. (45 kg)
 2290019 Guard, cutterhead
 *2258010 Grinding Attachment, with indexing mechanism. Wt. 90 lbs. (40.8 kg)

SPECIFICATIONS
 Bed .................................................. 12" x 24" (304.80 mm x 609.60 mm)
 Feed Roll Diameter (infeed and outfeed) .................. 2" (50.80 mm)
 Table Roll Diameter ........................................ 1 1/2" (38.10 mm)
 Maximum depth of cut ........................................ 1/4" (6.35 mm)
 Stock thickness range .................................... 1/16" (1.59 mm) to 5" (127.00 mm)
 Widest Stock .............................................. 12" (304.80 mm)
 Shortest Planable stock (Not Butted) .................. 7 1/2" (190.50 mm)
 Cutterhead (9 knife) cutting area .......................... 3 1/2" (79.38 mm)
 Knife-cuts-per-inch ..................................... 72 cuts per inch (2,835 inch per mm)

Cutterhead speed ........................................... 5000 RPM (555.01 rad/s)
 Knife size .................................................. 1/4" x 3/16" x 1 1/2"
 Rate of feed .............................................. 18 FPM (91.44 mm/s)
 Power recommended for light and medium work ........ 2 HP (1492 kw)
 Power recommended for heavy work ..................... 3 HP (2238 kw)
 Weight, net, with stand .................................. 376 lbs. (171.5 kg)
 Weight, domestic crated with stand .................... 410 lbs. (186.0 kg)

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Model 180
18" Planer

All machines performance tested before shipment.

Planes up to \( \frac{1}{2}^\circ \)-
Handles rough-sawn stock.

The Model 180 Planer is designed for serious stock surfacing. Its rugged cast iron construction and 18" x 6" (457.20 mm x 152.40 mm) capacity make it an ideal planer for a wide variety of planing requirements. The model 180 is extremely popular for industrial use and is unexcelled for school application.

Belted Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth dependable feed rates without use of expensive and troublesome transmissions and gear boxes.

Feed Speed Adjustable from 15 to 37 FPM (76.20 mm/s to 187.96 mm/s) with variable speed pulley. Sets quickly for any stock or finish requirement.

"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to \( \frac{1}{4}^\circ \) (1.02 mm) at a touch. Quick-Set reduces friction and constant under-the-table roll adjustments.

* \( \frac{1}{2}^\circ \) depth of cut with solid infeed roll.
* \( \frac{1}{4}^\circ \) depth of cut max with sectional infeed roll.

Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5¼" (133.35 mm) wide guide bar prevents chatter of the grinding head.
Unexcelled Performances for Every Surfacing Job

**FEATURES**

**FRAME:** Exceptionally heavy cast iron frame with one-piece cast iron base, 32" x 41" (812.80 mm x 1041.40 mm). Frame has extra wide side panels with gibs to support planer bed.

**BED:** Heavy substantially ribbed, accurately machined. Table size, 18" x 32" (457.20 mm x 812.80 mm). Bed raises and lowers on large armature screws mounted on enclosed thrust bearings.

**CUTTERHEAD:** 3 knife, safety type, with 4" (101.60 mm) cutting circle, fitted with 3 high speed, heat treated Tool Steel knives. Cutterhead has milled slots, is precision balanced and is mounted in heavy-duty ball bearings.

**FEED ROLLS:** Upper feed rolls 2½/16" (55.56 mm) diameter, milled from solid steel. Heart, 2½/16" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears. Sectional infeed roll optional.

**SOLID PRESSURE BAR:** Mounted concentric to cutterhead and fitted close to knife cutting circle. Bar has extra wide foot for long wear. Can be adjusted on both ends for accurate alignment.

**CHIPBREAKER:** The chipbreaker swings concentric to the cutterhead and fits very close to the knife cutting circle. Sectional chipbreaker optional.

**RATE OF SPEED ADJUSTMENT:** A complete range from 15 to 37 feet per minute (76.20 mm x 187.96 mm) is offered with the use of variable speed pulleys.

**DRIVES:** Cutterhead is driven with V-belts from motor mounted on the side of machine. Cutterhead speed, 4800 RPM (9502.85 rad/s).

**KNIFE GRINDING ATTACHMENT:** The Model 180 knife grinding attachment is mounted on an extra heavy 5¼" (133.35 mm) bar, precision ground for accuracy. The grinder is mounted in a permanent position on the machine and grinding is easily removed from bar when not in use. Jigging is no longer necessary with the exclusive primary/secondary grind system.

**STANDARD EQUIPMENT**

Model 180—18" Planer:

- 3 High speed, heat treated Tool Steel knives, sealed Ball Bearing Cutterhead, Knife setting Gauge, Jack Screws, Cutterhead Pulley, Motor Mount Base, Motor Pulley, Belts, Knife Wrench and Quick-set Table Roll Adjustment. Less: Motor and Controls.

**BASIC MACHINES**

*1800170 Model 180, DELTED DRIVE 18" x 6" (457.20 mm x 152.40 mm). Single Surface Planer with all standard equipment and sectional infeed roll and chipbreaker. Less: Motor and Controls.

1800050 Same as 1800170 except with solid infeed roll and chipbreaker.

*Note: ⅛" max depth of cut when equipped with sectional infeed roll and chipbreaker.

1800210 Model 180 Planer complete with all standard equipment, plus 7½ HP 3 Phase. 230/460 volt motor, magnetic controls, sectional infeed roll and chipbreaker.

1800220 Model 180 Planer complete with all standard equipment, plus 5 HP 1 Phase. 230 volt motor, magnetic controls, sectional infeed roll and chipbreaker.

**PRICE IS RIGHT MACHINE**

*1800200 Model 180 Planer complete with all standard equipment, plus 7½ HP 3 Phase. 230/460 volt motor, magnetic controls, sectional infeed roll and chipbreaker and Knife Grinding attachment. 230 Volt Only.

*1800200 Model 180 Planer complete with all standard equipment, plus 5 HP 1 Phase. 230 volt motor, magnetic controls, sectional infeed roll and chipbreaker and knife grinding attachment.

**POWERSTARS**

1800220 Model 180 Planer complete with all standard equipment, plus 5 HP 1 Phase. 230 volt motor, magnetic controls, with solid infeed roll. 230 Volts Only.

**MOTORS**

6472320 5 HP (3.730 kw). 60Hz. 3600 RPM (376.99 rad/s). 200V, TEFC, 184T frame.

**CONTROLS**

2389840 1HP Controls. 200/230/460/575V, Phase I only.
*2389849 Magnetic Controls. 200/230/460/575V, w/24v transformer
9100002 Conduct in lieu of standard wiring
*May be specified with 110 Volt transformer.

**OPTIONAL ACCESSORIES**

2393305 Extra set of knives 3 highspeed, heat treated Tool Steel. Wt. 2½ lbs. (1.1 kg)
2397062 Kit. Conversion. Sectional Chipbreaker and Infeed Roller. (Retro-Fit)
2290005 Shaving Hood 6" (152.40 mm) output size. Wt. 15 lbs. (RR kg)

**SPECIFICATIONS**

Bed
- 18" x 32" (457.20 mm x 812.80 mm)
- Recommended cutterhead speed
- Belted drive... 4800 RPM (502.65 rad/s)
- Knife, 3 high speed, heat treated Tool Steel.... 18" x 1½" x 1/8" (457.20 mm x 38.10 mm x 3.17 mm)
- Feed rollers... 2½" (65.56 mm)
- Bed Rollers... 2" (50.80 mm)
- Variable speed feed range... 15 FPM to 37 FPM
- Knife cuts per minute, Belt drive... 14,400

Maximum depth of cut with solid infeed roll... ⅛" (12.70 mm)
Stock thickness range... ⅛" (3.18 mm) to 6½" (162.40 mm)
Widest planable stock... 18" (457.20 mm)
Shortest planable stock, butt... 4" (101.60 mm)
Shortest planable stock, butt... 15° (230.50 mm)
Motors recommended for:
- Light and medium work... 3 HP (2.238 kw) to 5 HP (3.730 kw)
- Heavy duty work... 7½ HP (5.595 kw)
- Weight, domestic crated, with motor... 1255 lbs. (563.3 kg)
- Weight, export crated, with motor (63.9 cu ft)... 1500 lbs. (680.4 kg)
In order to comply with user and Federal Government demands for Planer noise reduction, Powermatic Engineering has done it again. Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding attachment.

The Quiet One—an exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and operating conditions. Stagger mounted knives provide a quiet cutting action without use of a spiral cutterhead.

Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 3/4" (13.35 mm) wide guide bar prevents chatter of the grinding head. Jointing is no longer necessary with the new primary/secondary grind system.

"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quick-Set eliminates friction and constant underneath-the-table roll adjustments.

Feed Speed Adjustable from 15 to 37 feet per minute (76.20 mm/s to 187.96 mm/s) with variable speed pulley. Get quickly for every stock or finish requirement.

Belted Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth dependable feed rates without use of expensive and troublesome transmissions and gearboxes.
The Quiet One...
By Powermatic

FEATURES
FRAME: Exceptionally heavy cast iron frame with one-piece cast iron base. 32" x 41" (812.90 mm x 104.10 mm). Frame has extra-wide side panels with gibs to support planer bed.
BED: Heavy, substantially ribbed, accurately machined. Table size: 18" x 32" (457.20 mm x 812.80 mm). Bed raises and lowers on large acme-thread screws mounted on enclosed thrust bearings.
CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 27 High-Speed steel knife segments. Stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operations through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed bearings requiring no lubrication. New Jack Screws adjust blades down as well as up, thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from cutterhead. New blade retainers are plug type that the centrifugal force of the turning cutterhead tends to wedge tighter.
FEED ROLLS: Upper feed rolls 2 7/8" (65.56 mm) diameter, milled from solid steel. Have ¾" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears solid or sectional.
SOLID PRESSURE BARS: Mounted concentric to cutterhead and fitted close to knife cutting circle. Bar has extra wide foot for long wear.
CHIPBREAKER: The chipbreaker swings concentric to the cutterhead and fits very close to the knife cutting circle. Solid or sectional.
RATE OF SPEED ADJUSTMENT: A complete range from 15 to 37 feet per minute (76.20 mm x 187.96 mm) is offered with the use of variable speed pulleys.
DRIVES: Cutterhead is driven by V-belts from motor mounted on the side of the machine. Cutterhead speed, 3600 RPM (18.288 m/s).

STANDARD EQUIPMENT
Model Q180 Planer: Complete with 27 Tool Steel Knives, solid infeed roll, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutterhead and motor pulley, 2 drive belts, Quick-set table roll adjustment, motor base, set of wrenches, belt guard. Less: Motor and Controls.

BASIC MACHINES
1800160 Model Q180 Planer with all standard equipment and solid infeed roll and chipbreaker. Less: Motor and Controls.

PRICE IS RIGHT MACHINE
*1800190 Complete with all standard equipment plus, 1 1/2 HP 3 Phase 230/460 Motor, magnetic controls, sectional infeed roll and chipbreaker. Knife grinding attachment and the extra protection of sound curtains and acoustic shaving hood. 250 Volts only. Please: *Note: 1/4" depth of cut max when equipped with sectional infeed roll and chipbreaker.

MOTORS

1 PHASE
6472013 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 145T frame.
6472326 5 HP (7.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 184T frame.

3 PHASE
6472026 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 182T frame.
6472027 3 HP (2.238 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 182T frame.

CONTROLS
2398620 Magnetic Controls, 230v
*2399404 Magnetic Controls, 230v, w/24v transformer
3 PHASE
2390106 Magnetic Controls, 220/380/460/675v

OPTIONAL ACCESSORIES
2230002 Bed and Food Roll Gauge, Wt. 1 lb. (45 kg)
2230007 Cutterhead Gauge, Wt. 1 lb. (45 kg)
225000U Heavy Duty Knife Grinding Attachment with indexing mechanism, Wt. 90 lbs. (40.8 kg). For use with high speed knives. Order Diamond wheel for carbide knives.
2393012 Extra set of Knives (27 high speed, heat treated Tool Steel). Wt. 2½ lbs. (11.3 kg)

SPECIFICATIONS

Red 18" x 32" (457.20 mm x 812.80 mm)
Cutterhead cutting arc ¾" (19.05 mm)
Recommended cutterhead speed Belted drive ............... 3600 RPM (376.99 rad/s)
Knife Size .................. ⅞" x 1" x 2¼" (4.76 mm x 25.40 mm x 57.15 mm)
Feed rollers ................. 2½ ⅞" (55.56 mm)
Bed rollers .................. 1 ⅞" (50.80 mm)
Variable speed feed range 15 FPM to 37 FPM
Maximum depth of cut, sectional infeed roll ¾" (63.5 mm)
Maximum depth of cut, solid infeed roll ⅛" (12.70 mm)

Stock thickness range ⅛" (3.18 mm) to 6" (152.40 mm)
Width of planing stock 18" (457.20 mm)
Shortest planable stock, butted 4" (101.60 mm)
Shortest planable stock, not butted 13" (330.20 mm)

Motors recommended for:
Light and medium work ........... 0 2½ HP (2.236 kW) to 0 5 HP (3.730 kW)
Heavy duty work ................. 7½ HP (5.595 kW)
Weight, domestic crate, with motor ........ 1255 lbs. (569.3 kg)
Weight, export crate, with motor 659 cu ft (18.68 cm³) 1300 lbs. (660.5 kg)
Model 225
24" Planer

Adjust from rough to semi-finished stock in a second!

Big, rugged... for cabinetry and high production accuracy. Regardless of the stock, from heavy, structural laminates to finished glued panels... the Powermatic 24" planer has proven highly dependable for accurate and extremely smooth surfacing qualities. In finer cabinet work, the steady performance of this planer cuts finishing time to the bare minimum. Its big capacity assures a maximum range of flexibility as important for the smaller shop as it is for the larger industrial operation.

"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to 0.40" (1.02 mm) at a touch. If you are tired of the "push-pull" planing method, Quick-Set eliminates friction and constant under the table roll adjustments.

Knife Indexer. Quick acting plunger type indexing lock cutterhead securely for grinding knives. Predetermined and preset stops properly position knife.

Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5¼" (133.35 mm) wide guide bar prevents chatter. Jointing is no longer necessary with the new primary/secondary grind system.

Variable Feed Control. Hand wheel is easy to reach, easy to set. Adjusts rate of feed from 20 to 100 FPM (101.60 mm/s to 508.00 mm/s).

Sectional Infeed Roll corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron section mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield of 1/4" (6.35 mm). Necessary in running strip stock of varying thickness without dangerous kickback.
FEATURES

FRAME: Machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and accurate alignment. One-piece base.

BED: 24" x 48" (609.60 mm x 1219.20 mm), accurately machined with extra heavy rib reinforcing for alignment and maximum strength. Surface finish ground from a one-piece cast iron. Rigid raises and lowers on large acme-thread screw mounted on enclosed thrust bearings. Convenient handwheel adjusts bed through full 8" (203.20 mm) range.

CUTTERHEAD: Safety-type milled slots, precision ground and balanced, fitted with 4 high-speed heat treated tool steel knives, 9/32" x 1 1/4" x 24" (3.81 mm x 31.75 mm x 609.60 mm). Mounted in over-size, sealed ball bearings. 3 1/2" (111.12 mm) cutting circle.

INFEED ROLL: Corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage to surface on 3 Phase motors only.

OUTFEED ROLL: Smooth, 4" (101.60 mm) diameter solid type.

TABLE ROLLS: Two adjustable, 4" (101.60 mm) diameter Power Driven rolls.

PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely near knife-cutting circle. The bar has extra wide foot for long wear.

CHIPBREAKER: 2" (50.8 mm) ductile iron, sectional-type with independent 1/4" (6.35 mm) yield. Sections are mounted on a steel bar just forward of the knife-cutting circle and swing concentric to the cutterhead.

POWER FEED CONTROL: Variable speed pulley affords complete range of feed from 20 to 100 feet per minute (101.60 mm/s to 508.00 mm/s). Driven with 1 1/2 HP (1,119 kw) totally enclosed motor mounted in machine base.

POWER: 3 1/2 HP (3.730 kw) motor is recommended for light and medium work loads. For extra heavy and high production requirements, the 10 to 15 HP (7.460 kw to 11.90 kw) motor is recommended.

ELECTRICALS: Machine standard equipped with magnetic controls protecting both feed and drive motors. With this safety feature both motors shut off instantly in the event of overload, low voltage or power failure. Motors will not restart until activated by the operator.

STANDARD EQUIPMENT

Model 225—24" Planer: Set of 4 high-speed, heat treated Tool Steel Knives. 4-Knife Round cutterhead mounted in sealed ball bearings. Knife setting gauge, Jack Screw, Cutterhead Pullout. Sectional infeed Rolls and

BASIC MACHINE

1240040 Model 225, BELTED DRIVE 24" x 8" (609.60 mm x 203.20 mm). Single Surface Planer, with all standard equipment and 3 Phase Infeed Motor. Less: Cutterhead Motor and Controls.

3 PHASE

6472319 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, 184T frame.
6472320 5 HP (3.730 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184T frame.
6472507 7 1/2 HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 217T frame.
6472512 7 1/2 HP (5.595 kw) 60Hz, 3600 RPM (376.99 rad/s), 200v, 217T frame.

3 PHASE

2398195 Magnetic Controls, 200/230/460/575v.
*2388501 Magnetic Controls, 200/230/460/575v, w/24v transformer

MOTORS

64/2004 1 HP (7.460 kw), 60Hz, 3600 RPM (376.99 rad/s), 230V, 240V, TEFC, 2151 frame.
6472606 10 HP (7.460 kw), 60Hz, 3600 RPM (376.99 rad/s), 200V, TEFC, 215T frame.
6472702 15 HP (11.190 kw), 60Hz, 3600 RPM (376.99 rad/s), 200V, TEFC, 254T frame.
6472703 15 HP (11.190 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460V, TEFC, 254T frame.

Infeed Motors included with Basic Machines. Specify voltage.

CONTROLS

9100017 Conduct in lieu of Standard Wiring.* May be specified with 110v control.
(FOR JIC CONTROLS, PLEASE CONSULT FACTORY)

OPTIONAL ACCESSORIES

2258007 Knife Grinding Attachment. Wt. 105 lbs. (47.6 kg)
2292022 Shaving Hood, 8" (203.20 mm) cutout. Wt. 30 lbs. (13.6 kg)
2393008 Set of 4 high-speed, heat treated Tool Steel Knives. Wt. 5 lbs. (2.3 kg)

SPECIFICATIONS

Bed ........................................... 24' x 48' (609.60 mm x 1219.20 mm)
Cutterhead ..................................... 4 1/2" (111.12 mm)
Recommended cutterhead speed, belt drive........... 4800 RPM (502.65 rad/s)
Knives (4) high-speed steel ......................... 24" x 1 1/4" x 1/32" (609.60 mm x 31.75 mm x 3.97 mm)
Feed rollers .................................... 4" (101.60 mm) dia.
Bed rollers ...................................... 4" (101.60 mm) dia.
Variable speed feed range ......................... 20 FPM (101.60 mm/s) to 100 FPM (508.00 mm/s)
Knife-cuts-per-minuted, belt drive ............... 19,200
Maximum depth of cut.................................. 1/8" (12.70 mm)

Stock thickness range .......................... 1/8" (3.18 mm) to 8" (203.20 mm)
Widest planable stock .......................... 24" (609.60 mm)
Shortest planable stock, butted ................. 4" (101.60 mm)
Shortest planable stock, not butted ........... 13" (330.20 mm)
Motors recommended for: 
Light and medium work .............. 5 HP (3.730 kw) to 7 1/2 HP (5.595 kw)
Heavy and medium work .......... 10 HP (7.460 kw) to 15 HP (11.190 kw)
Weight export boxed, less motor (82.1 cu ft) (2,068.3 lbs) ........... 2990 lbs. (1356.2 kg)
Weight, export boxed, with motor (123.8 cu ft) 3,506 lbs. (1594.2 kg)
Weight, domestic crate, with motor........ 2855 lbs. (1308.6 kg)

* May be specified with 110v control.

(FOR JIC CONTROLS, PLEASE CONSULT FACTORY)
THE QUIET ONE

Reduces noise levels 10 to 15 decibels over standard machines.

In order to comply with user and Federal Government demands for Planer noise reduction, Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutters, this fantastic single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding attachment.

Major noise reduction has resulted from this new stagger mount (patented) blade arrangement, and the addition of curtains of acoustical material at entrance and exit areas service to contain sounds generated within the machine, again reducing the noise level pressure.

Sectional Infeed Rolls are corrugated, 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield of ¾" (19 mm), necessary in running strip stock of varying thickness without dangerous kickback.

The Quiet Cutterhead—An exclusive feature with Powermatic effectivley reduces the noise level of this machine in both idle and cutting conditions. Stagger mounted knives provide a quiet cutting action WITHOUT use of a spiral cutterhead.

Knife Grinding Attachment (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5¼" (133.35 mm) wide guide bar prevents chatter.

"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. If you are tired of the "push-pull" planing method, Quick-Set eliminates friction and constant under-the-table roll adjustment.

Knife Indexer—Quick acting plunger type indexing locks cutterhead securely for grinding knives. Predetermined and pre-set stops properly position knife.
FEATURES

FRAME: Machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and accurate alignment. One-piece base.

BED: 24" x 48" (609.60 mm x 1219.20 mm), accurately machined with extra heavy rib-reinforcing for alignment and maximum strength. Surface finish ground from a one-piece casting. Bed rises and lowers on large acme-thread screws mounted on thrust bearings.

CUTTERHEAD: Safety-type, millred from medium carbon steel and fitted with 36 High Speed Steel Knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operation through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed ball bearings requiring no lubrication.

Jack Screws adjust blades down as well as up, thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from head if loose.

INFEED ROLL: Corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage to springs on 3 Phase motors only.

OUTFEED ROLL: Smooth 4" (101.60 mm) diameter solid type.

TABLE ROLLS: Two, adjustable, 4" (101.60 mm) diameter, Power Driven rolls.

PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely near knife-cutting circle. The bar has extra wide kerf for long wear.

CHIPBREAKER: 2" (50.8 mm) ductile iron, sectional-type with independ end ¼" (6.35 mm) yield. Sections are mounted on a steel bar just forward of the knife-cutting circle and sitting concentric to the cutterhead.

POWER FEED CONTROL: Variable speed pulley affords complete range of feed from 20 feet per minute (101.60 mm/s) to 100 feet per minute (508.00 mm/s). With 1½ HP (1.119 kW) totally enclosed motor mounted in machine base.OWER FEED CONTROL: Variable speed pulley affords complete range of feed from 20 feet per minute (101.60 mm/s) to 100 feet per minute (508.00 mm/s). With 1½ HP (1.119 kW) totally enclosed motor mounted in machine base.

POWER: 5 to 7½ HP (3.730 to 5.60 kw) motor is recommended for light and medium work loads. For extra heavy and high production requirements, the 10 to 15 HP (7.46 to 11.19 kw) motor is recommended.

ELECTRICALS: Machine standard equipped with magnetic controls protecting both feed and drive motor. With this safety feature, both motors shun off instantly in the event of overfused, low voltage or power failure. Motors will not restart until activated by the operator.

STANDARD EQUIPMENT

Model Q225—24" Planer: Complete with set of 36 High Speed Steel Knives, scaled ball bearing cutterhead, knife-setting gauge, jack screws, sectional infeed roll and chipbreaker, motor mount base, 1½ HP (1.119 kW) feed drive motor, set of wrenches, motor pulley, belts and guard (on Belt drive models). Less: Cutterhead Motor and Controls.

BASIC MACHINE

1240160 Model Q225, 24" Belt Drive Planer complete with all standard equipment and 1½ HP (1.119 kW), 3 PH, 230/460V, motor controls. Less: Cutterhead Motor and Controls.

MOTORS FOR USE WITH MODEL 225 PLANERS

6472319 5 HP (3.730 kw), 60Hz, 3600 RPM (375.99 rad/s), 230/460V, 184T frame.
6472320 5 HP (3.730 kw), 60Hz, 3600 RPM (375.99 rad/s), 230/460V, 184T frame.
6472507 7½ HP (5.595 kw), 60Hz, 3600 RPM (375.99 rad/s), 230/460V, TEFC, 213T frame.
6472512 7½ HP (5.595 kw), 60Hz, 3000 RPM (375.99 rad/s), 208/230V, TEFC, 213T frame.
6472604 10 HP (7.460 kw), 60Hz, 3600 RPM (375.99 rad/s), 230/460V, TEFC, 213T frame.

3 PHASE

239819S Magnetic Controls, 200/230/460/575V
2398501 Magnetic Controls, 220/230/460/575V, w/24V transformer

PRICE IS RIGHT MACHINE

1240200 Model Q225, 24" Quiet Planer complete with standard equipment plus 15 HP, 3 PH, 230/460V, motor controls, knife grinding attachment, sound curtains and acoustic hood. 230 Volts Only Please.

CONTROLS FOR USE WITH MODEL 225 PLANERS

FOR JIC CONTROLS, PLEASE CONSULT FACTORY

*May be supplied with 110v transformer.

OPTIONAL ACCESSORIES

2058001 Cutterhead Brake. Wt. 6 lbs. (2.7 kg)
2230002 Bed and Feed Roll Gauge. Wt. 1 lb. (45 kg)
2230001 Cutterhead Gauge. Wt. 1 lb. (45 kg)
2258007 Knife Grinding Attachment. For use with HIGH SPEED STEEL KNIVES. Order diamond wheel for carbide knives. Wt. 105 lbs. (47.8 kg)

SPECIFICATIONS

Bed................................. 24" x 48" (609.60 mm x 1219.20 mm)
Cutterhead......................... 4¼" (104.78 mm)
Cutting circle..................... 4¾" (111.12 mm)
Recommended cutterhead speed... 4100 RPM (249.35 rad/s)
belted drive....................... 4½" x 4½" x 1" x 2¼" (4.76 mm x 25.40 mm x 57.15 mm)
Knife Size......................... 4½" x 4½" x 1" x 2¼" (4.76 mm x 25.40 mm x 57.15 mm)
Feed rollers....................... 4" (101.60 mm) dia.
Bed rollers....................... 4" (101.60 mm) dia.
Variable speed feed range..... 100 FPM (508.00 mm/s) to 2100 FPM (101.60 mm/s)
Maximum depth of cut........... ½" (12.70 mm)
Shaving hood outlet............. 8" (203.20 mm)

Stock thickness range......... ½" (3.18 mm) to 8" (203.20 mm)
Widest planable stock.......... 24" (609.60 mm)
Shortest planable stock: butted 4" (101.60 mm)
Shortest planable stock: not butted 1½" (38.10 mm)

Motors recommended for: Light and medium work........ 5 HP (3.730 kw) to 7½ HP (5.595 kw)
Heavy duty work................. 10 HP (7.460 kw) to 15 HP (11.19 kw)

Weight, export boxed, less motor 92.1 cu ft (2.5808m³)
2990 lbs. (1356.2 kg)
Weight, export boxed with motor 123.8 cu ft (3.5086m³)
3115 lbs. (1412.9 kg)
Weight, domestic crated, with motor 2885 lbs. (1308.8 kg) App.
Retrofit Kits
For Standard Planers

Noise levels too high on your Powermatic Planer? OSHA on your back? Then transform your present machine into a "Quiet One." Special conversion kits are now available containing all parts necessary for field installation to drastically reduce planer noise... 10 to 12 decibels or more.

Only the cutterhead conversion kit is required if you have NO dust collecting system. If your shop is equipped with dust collecting facilities, then order the cutterhead AND shaving hood kits. The addition of the shaving hood and curtain kits will further reduce the noise level.

"THE QUIET ONE" RETROFIT KIT LISTINGS

For Model 160 Planer
2397047 Conversion kit for DIRECT DRIVE Model 160 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.
2397048 Conversion kit for BELT DRIVEN Model 160 Planers, including cutterhead with stagger mounted high speed steel knives, bearings, drive belts and pulleys as required.
2397050 Shaving Hood and Curtain kit for Model 160 Planers.

For Model 180 Planer
2397049 Conversion kit for DIRECT DRIVE Model 180 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.
2397050 Conversion kit for BELT DRIVEN Model 180 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings, drive belts and pulleys as required.
2397057 Shaving Hood and Curtain kit for Model 180 Planers.

For Model 225 Planer
2397053 Conversion kit for DIRECT DRIVE Model 225 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.
2397054 Conversion kit for BELT DRIVEN Model 225 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings, drive belts and pulleys as required.
2397059 Shaving Hood and Curtain kit for Model 225 Planer.
Rugged Stability Guarantees Precision Cutting Control

**FEATURES**

**CAPACITY:** Swing 12” (304.80 mm) over straight lathe bed; 16” (406.40 mm) over gap head; 39” (990.60 mm) between centers.

**BED:** One-piece construction of finest grey iron casting, rib-reinforced for alignment and maximum rigidity. Standard bed length 59” (1498.60 mm).

**HEADSTOCK:** Available with built-in variable speed drive from 330 to 2100 RPM (34.56 rad/s to 190.91 rad/s) or with four-speed drive of 000, 1100, 1800 & 3000 RPM (62.83 rad/s, 115.19 rad/s, 188.50 rad/s & 314.16 rad/s). Drive pulley spindle mounted between extra large sealed for life-ball bearings for smoother operation at any speed.

**SPINDLE:** B0-step type with steel plunger-type index wheel. Machined from carbon steel and precision ground for positive running alignment and balance. Accurately milled 1” (25.40 mm) -8 thread nose is bored for No. 2 Morse Taper. Locking pin holds spindle rigid for easy face plate removal.

**TAILSTOCK:** 1” (25.40 mm) tailstock spindle is bored for a No. 2 Morse Taper. The center may be easily removed by using the large hand wheel and tailstock screw.

**MOTOR DRIVE:** Motor is mounted in lathe cabinet with wide V-belt and two variable sheaves (in variable speed model or multiple mounted inverse pulleys in four-speed model). Drive pulley accessible through cover at top of lathe head and cabinet door.

**LATEH BASE:** Ruggedly built of heavy-gauge, reinforced steel. Designed for complete smoothness of operation. Large hinged door for quick access to motor and tool storage area in base. Full length chip deflector.

**MOTOR SWITCH:** Pushbutton type mounted away from exposed operational area to prevent accidental engagement. Slow start standard on variable speed models.

**STANDARD EQUIPMENT**

Model 45 Lathe: One 6” (152.40 mm) Tool Rest, one 16” (406.4 mm) Tool Rest, one Cup Center, one Spur Center, one 7” (177.8 mm) Face Plate, one Center Drift Rod, Index Wheel, Tool Support, Tailstock Wrench, Motor Base, V-belt, Motor Pulley and Guard. Less: Motor and Controls.

**BASIC MACHINES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>1450250</td>
<td>Model 45 Gap Bed Lathe, with all standard equipment 4-speed, less motor and controls</td>
</tr>
<tr>
<td>1450260</td>
<td>Model 45 Straight Bed Lathe, with all standard equipment 4-speed, less motor and controls</td>
</tr>
<tr>
<td>1450270</td>
<td>Model 45 Gap Bed Lathe, with all standard equipment Variable Speed and Slo start. (Magnetic Controls only) Less motor and controls</td>
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</tbody>
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**PRICE IS RIGHT MACHINES**

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450300</td>
<td>Model 45 Variable Speed Gap Bed complete with all standard equipment plus 3/4 HP, 1 PH motor, magnetic controls and safety shield. 115 volts only please</td>
</tr>
<tr>
<td>1450310</td>
<td>Model 45 Variable Speed Gap Bed Lathe complete with all standard equipment plus 3/4 HP, 3 Phase motor, magnetic controls and safety shield. 230 volts only please</td>
</tr>
</tbody>
</table>

**MOTORS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6470716</td>
<td>3/4 HP (.56 kw), 60Hz, 1800 RPM (188.5 rad/s), 115/230V, TEFC, 56 frame</td>
</tr>
<tr>
<td>6470707</td>
<td>3/4 HP (.56 kw), 60Hz, 1800 RPM (188.5 rad/s), 230/460V, TEFC, 56 frame</td>
</tr>
<tr>
<td>6470712</td>
<td>3/4 HP (.56 kw), 60Hz, 1800 RPM (188.5 rad/s), 200V, TEFC, 56 frame</td>
</tr>
</tbody>
</table>

**CONTROLS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2398114</td>
<td>Switch, 115/230v</td>
</tr>
<tr>
<td>2398144</td>
<td>Magnetic Controls, 115/230v</td>
</tr>
<tr>
<td>*2398152</td>
<td>Magnetic Controls, 115/230V, w/24v transformer</td>
</tr>
<tr>
<td>2398155</td>
<td>Switch, 200/230/460/575V</td>
</tr>
<tr>
<td>*2398150</td>
<td>Magnetic Controls, 200/230/460/575V, w/24V transformer</td>
</tr>
<tr>
<td>*2398151</td>
<td>Magnetic Controls, 200/230/460/575V</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>83” (1600.20 mm)</td>
</tr>
<tr>
<td>Distance between centers</td>
<td>39” (990.60 mm)</td>
</tr>
<tr>
<td>Swing over bed</td>
<td>12” (304.80 mm)</td>
</tr>
<tr>
<td>Swing over gap</td>
<td>16” (406.40 mm)</td>
</tr>
<tr>
<td>Width of gap</td>
<td>4½” (114.30 mm)</td>
</tr>
<tr>
<td>Variable speed range</td>
<td>330 RPM (34.56 rad/s) to</td>
</tr>
<tr>
<td></td>
<td>2100 RPM (219.91 rad/s)</td>
</tr>
<tr>
<td>Step pulley, four speed drive</td>
<td>1100 (115.19 rad/s), 1800 (188.5 rad/s), 3000 RPM (314.16 rad/s)</td>
</tr>
<tr>
<td>Tailstock Quill travel</td>
<td>3½” (95.25 mm)</td>
</tr>
</tbody>
</table>

**OPTIONAL ACCESSORIES**

(see page 35 for optional accessories)
Extra Heavy Duty

The Model 90 Wood turning lathe is available in a straight or gap bed version with one of three speed ranges, 215-1375 RPM (22.5 - 144.0 rad/s) for large diameter wood turning, 330-2100 RPM (34.6 - 219.9 rad/s) for general purpose turning or, 460-3000 RPM (48.2-314.2 rad/s) for metal spinning. The position of the speed control handle determines the spindle RPM (rad/s) within each infinite variable speed range available. All machines are equipped with a variable speed range which gives quick and precise RPM (rad/s) settings and the ability to change speeds while under power. This system eliminates the inconveniences of step cone pulley drives. Select the speed best suited for the operation without compromise. This high performance drive is built with a ruggedness that will meet all requirements.

The Model 90 Lathe Drive System is a double reduction drive from the motor, through a jack-shaft, to the headstock spindle. Isolation of the motor mount and the use of a jackshaft combine to minimize vibration.

Massive cast iron, machined and precision ground lathe bed insures accuracy even on long spindle turnings.

Exclusive of the Model 90! A 5-position limit stop to enforce pre-set speeds. An asset to the school instructor who insists on good safety practices, or the foreman who pre-selects the Lathe speeds for his operators.

Choice of Straight or Gap Bed. 12" (304.80mm) stock capacity over straight bed, 17" (431.80mm) stock capacity over gap.

Lathe not shipped without guard.

All machines performance tested before shipment.
Rugged Stability Provides Optimum Cutting Control

**FEATURES**

**CAPACITY:** Swing 12" (304.80 mm) over straight bed; 17" (431.80 mm) over gap bed. Standard bed affords full 36" (915.20 mm) between centers.

**BED:** One-piece construction from finest grey iron casting, rib-reinforced for alignment and maximum rigidity. Standard length: 60" (1524.00 mm).

**HEADSTOCK:** Has built-in variable speed drive to provide infinite variation covering the full speed range of the basic machine.

**SPINDLE:** Machined from carbon steel and tinned ground for positive running alignment and balance. Spindle nose is threaded 1 1/2" (38.10 mm)-8 and bored for No. 2 Morse Taper. Outboard end is threaded 1 1/4"-8 (28.58 mm) for outboard face plate.

**LOCKING PIN** holds spindle rigid for easy face plate removal. Spindle cannot be accidentally locked while machine is in operation . . . speed range control and switch must be in "OFF" position.

**STANDARD EQUIPMENT**

One center drill rod, one tool support base, one tailstock wrench, one safe stop speed limiter, one face plate wrench, one 6" (152.40 mm) tool rest, one 16" (406.4 mm) tool rest, one cup center, one spur center, one 3" (76.20 mm) face plate, one motor pulley, one guard, one combination face plate and handwheel, and one 7" (177.8 mm) face plate.

**basic machines**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Capacity</th>
<th>RPM</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900310</td>
<td>Model 90 Gap Bed Lathe, with all standard equipment, 330-2100 RPM (34.6 - 219.1 rad/s). Less: Motor and Controls</td>
<td>330-2100 RPM (34.6 - 219.1 rad/s)</td>
<td>$4710122</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230V, TEFC, 56 frame.</td>
</tr>
<tr>
<td>1900320</td>
<td>Model 90 Straight Bed Lathe, with all standard equipment, 330-2100 RPM (34.6 - 219.1 rad/s). Less: Motor and Controls</td>
<td>330-2100 RPM (34.6 - 219.1 rad/s)</td>
<td>$4710300</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200V, TEFC, 56 frame.</td>
</tr>
<tr>
<td>1900330</td>
<td>Model 90 Gap Bed Lathe, with all standard equipment, 460-3000 RPM (48.17 -314.2 rad/s). Less: Motor and Controls. For metal spinning.</td>
<td>460-3000 RPM (48.17 - 314.2 rad/s)</td>
<td>$4710340</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
<tr>
<td>1900340</td>
<td>Model 90 Straight Bed Lathe, with all standard equipment, 460-3000 RPM (48.17 -314.2 rad/s). Less: Motor and Controls. For metal spinning.</td>
<td>460-3000 RPM (48.17 - 314.2 rad/s)</td>
<td>$4710350</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
<tr>
<td>1900350</td>
<td>Model 90 Gap Bed Lathe, with all standard equipment, 215-1375 RPM (52.5 - 144.0 rad/s). Less: Motor and Controls. For metal spinning.</td>
<td>215-1375 RPM (52.5 - 144.0 rad/s)</td>
<td>$4710360</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
<tr>
<td>1900360</td>
<td>Model 90 Straight Bed Lathe, with all standard equipment, 215-1375 RPM (52.5 - 144.0 rad/s). Less: Motor and Controls. For metal spinning.</td>
<td>215-1375 RPM (52.5 - 144.0 rad/s)</td>
<td>$4710370</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
</tbody>
</table>

**price is right machines**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Capacity</th>
<th>RPM</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900370</td>
<td>Model 90 Gap Bed Lathe, with all standard equipment plus 1 HP, 3 PH motor, magnetic control and safety shield, 230 Volts only.</td>
<td>330-2100 RPM (34.6 - 219.9 rad/s)</td>
<td>$4710380</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
<tr>
<td>1900380</td>
<td>Model 90 Gap Bed Lathe, with all standard equipment plus 1 HP, 3 PH motor, magnetic control and safety shield, 115 Volts only.</td>
<td>330-2100 RPM (34.6 - 219.9 rad/s)</td>
<td>$4710390</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
</tbody>
</table>

**motors**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Capacity</th>
<th>RPM</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>471022</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230V, TEFC, 56 frame.</td>
<td>330-2100 RPM (34.6 - 219.9 rad/s)</td>
<td>$4710300</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
<tr>
<td>471036</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200V, TEFC, 56 frame.</td>
<td>460-3000 RPM (48.17 -314.2 rad/s)</td>
<td>$4710350</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
<tr>
<td>471037</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
<td>215-1375 RPM (52.5 - 144.0 rad/s)</td>
<td>$4710360</td>
<td>1 HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460V. TEFC, 56 frame.</td>
</tr>
</tbody>
</table>

**controls**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Capacity</th>
<th>RPM</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2398474</td>
<td>Magnetic Controls, 115/230V.</td>
<td>330-2100 RPM (34.6 - 219.9 rad/s)</td>
<td>$4710370</td>
<td>Magnetic Controls, 200/230/460/575V, w/24V. transformer.</td>
</tr>
<tr>
<td>2398476</td>
<td>Magnetic Controls, 115/230V, w/24V. transformer.</td>
<td>460-3000 RPM (48.17 -314.16 rad/s)</td>
<td>$4710380</td>
<td>Condust in lieu of Standard Wiring.</td>
</tr>
</tbody>
</table>
| 2398477 | Magnetic Controls, 200/230/460/575V. | 215-1375 RPM (922.50 -144.00 rad/s) | $4710390 | "May be specified with 110 volt transformer."

**specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>General purpose turning</td>
<td>330-2100 RPM (34.6 - 219.91 rad/s)</td>
<td></td>
</tr>
<tr>
<td>Metal spinning</td>
<td>460-3000 RPM (48.17 -314.16 rad/s)</td>
<td></td>
</tr>
<tr>
<td>Large diameter work turning</td>
<td>215-1375 RPM (922.50 -144.00 rad/s)</td>
<td></td>
</tr>
<tr>
<td>Height of bed from floor</td>
<td>34 3/4&quot;, (876.3mm)</td>
<td></td>
</tr>
<tr>
<td>Weight, net with stand</td>
<td>550 lbs (249.4kg)</td>
<td></td>
</tr>
<tr>
<td>Weight, domestic crated with stand</td>
<td>693 lbs (292.6kg)</td>
<td></td>
</tr>
<tr>
<td>Export boxed with stand (50.2 cu ft)</td>
<td>775 lbs (342.4kg)</td>
<td></td>
</tr>
</tbody>
</table>

**optional accessories** (see page 35)
Large Diameter Woodturning Lathe

The first economically priced wood lathe designed to provide an extra large turning capacity of 20" over the bed and 25" over the gap. This large swing minimizes the need for out-board turning of large diameter pieces which can be inherently hazardous. The horsepower of the Model 91 has been increased to 1 1/2 to provide ample power for maximum diameter cutting.

The Model 91 offers many of the same features found in the popular Model 90, such as slow start only, Safe-Stop speed limiter, ease of service, lock out spindle lock and an even lower speed range for safer turning of large objects.

**CAPACITY:** 20" diameter over bed, 25" over gap. The bed also affords a full 38" (965.2 mm) between centers.

**BED:** One piece construction from quality Meehanite grey iron casting, rib-reinforced for alignment and maximum rigidity.

**SPEED RANGE:** 175 to 1100 RPM allows turning of large diameter parts at a slow speed to reduce a hazardous condition and yet is high enough in speed to permit small diameter turning. A 5-position limit stop is standard to enforce pre-set speeds.

**HEADSTOCK:** Has built-in variable speed drive to provide infinite variation covering the full speed range.

**SPINDLE:** Machined from carbon steel and precision ground for desired running alignment and balance. Spindle nose is threaded 1 1/2" - 8 and bored for No. 2 Morse Taper. Outboard end is threaded 1 1/4" - 8 for outboard face plate. Locking pin holds spindle rigid for easy face plate removal. Spindle cannot be accidentally locked while machine is in operation.

**TAILSTOCK:** The 1 1/2" (38.1 mm) tailstock spindle is bored for Nu. 2 Morse Taper. The center may be easily removed by using the large hard-wheel and tailstock screw.

**MOTOR DRIVE:** The 1 1/2 HP motor and drive are readily accessible in the top of the storage compartment of the headstock pedestal.

**LATHE BASE:** Wide-stance pedestal base with streamlined design. Constructed from extra heavy gauge reinforced steel for rigid operation.

**MOTOR CONTROLS:** An externally mounted push button station (with emergency stop button) and an internally mounted micro switch activated by the variable speed control cam requires two hand starting. Lathe always starts at lowest speed.

---

**BASIC MACHINE**

191091U  Model 91 Lathe complete with same standard equipment supplied with Model 90 Lathe, 175 to 1100 RPM spindle speed, less motor and controls.

**MOTORS**

<table>
<thead>
<tr>
<th>Phase</th>
<th>HP</th>
<th>RPM</th>
<th>Volts</th>
<th>Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 1/2</td>
<td>1800</td>
<td>115/230</td>
<td>T-Frame</td>
</tr>
<tr>
<td>3</td>
<td>1 1/2</td>
<td>1800</td>
<td>115/230</td>
<td>T-Frame</td>
</tr>
</tbody>
</table>

**CONTROLS**

<table>
<thead>
<tr>
<th>Phase</th>
<th>Controls</th>
<th>Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Magnetic Controls 115/230V</td>
<td>230/460V, 145 T-frame (Model 91 use only)</td>
</tr>
<tr>
<td>3</td>
<td>Magnetic Controls 115/230V, w/24 volt control transformer</td>
<td>2398475 Magnetic Controls, 200/230/460/575 volts</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>67&quot; (1701.8 mm)</td>
</tr>
<tr>
<td>Distance Between Centers</td>
<td>38&quot; (965.2 mm)</td>
</tr>
<tr>
<td>Inboard Spindle</td>
<td>1 1/2&quot; - 8</td>
</tr>
<tr>
<td>Swing Over Bed</td>
<td>20&quot; (508 mm)</td>
</tr>
<tr>
<td>Swing Over Gap</td>
<td>25&quot; (635 mm)</td>
</tr>
<tr>
<td>Tailstock Quill Travel</td>
<td>4 1/2&quot; (111.12 mm)</td>
</tr>
<tr>
<td>Width of Gap</td>
<td>5 1/4&quot; (133.35 mm)</td>
</tr>
<tr>
<td>Speed Range</td>
<td>175 to 1100 RPM</td>
</tr>
<tr>
<td>Height of Bed from Floor</td>
<td>34&quot; (876.3 mm)</td>
</tr>
<tr>
<td>Weight, Net with Stand</td>
<td>600 lbs. (271.8 kg)</td>
</tr>
<tr>
<td>Weight, Domestic, Crated with Stand</td>
<td>675 lbs. (304.9 kg)</td>
</tr>
<tr>
<td>Motor, Horsepower</td>
<td>1 1/2 (1.19 kW)</td>
</tr>
</tbody>
</table>

---

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to speed production on every turning job

Special High Performance Turning Tools
Require less tool care than standard tools.
8829019 For #45, 90, and 91 Lathe, wt. 4 lbs. (1.8kg).

TOOL SUPPORT BASE
For use when making extra long turnings requiring 24" (609.60mm) tool support.
2063011 For #45, 90, and 91 Lathe, wt. 12 lbs. (5.4 kg).
Does not include lock assy.

OUTBOARD TURNING STAND
Floor stand with offset tool holder for turning pieces larger than 12" (304.80mm) diameter.
2759009 For #45 and #90 Lathe, wt. 75 lbs. (34.0kg).

FACE PLATE #90 & #91 #45
3" (76.20 mm)
R.H. face plate 2 lbs. (.9kg) ... 3193005 3193001
4" (101.60 mm)
R.H. face plate 2 lbs. (.9kg) ... 3193004 3193003
7" (177.8 mm)
R.H. face plate 3½ lbs. (1.58 kg) 3193029 3193024
8½" (215.90 mm)
Outboard face plate ... 3193010
7" (177.8 mm)
Outboard face plate 45 Lathe ... 3193036
12" (304.8 mm)
H.H. face plate for 91 Lathe only ... 3193037

RIGHT HAND BOWL TURNING REST 3658019

LEFT HAND BOWL TURNING REST 3658024

CHUCKS & ARBORS
3" (76.20 mm) screw chuck, threaded. 1 lb. (0.45 kg). Model 90 only 2085004
1½" (12.70 mm) three-jaw chuck No. 2 Taper Arbor, 1½ lbs. (0.7 kg) 6118013

CENTERS #90 and #45 Lathe
Ball bearing tailstock center, 1 lb. (0.45 kg) 2084002
1" (25.40 mm) spur center, 4 oz. (1.1 kg) 2084001
½" (19.05 mm) cup center, 4 oz. (1.1 kg) 6112002
Center points ........................................... 3582202

TOOL SUPPORTS #90 and #45 LATHE
Right angle tool support 3 lbs. (1.3 kg) 3658007
6" (152.40 mm) tool support 1½ lbs. (0.7 kg) 3658010
16" (406.4 mm) tool support 2 lbs. (0.9 kg) 3658022
24" (609.60 mm) tool support 5 lbs. (2.3 kg) 2658007
12" (304.80 mm) Metal spinning tool rest 3 lbs. (1.3 kg) 2397063
Offset tool support 9 lbs. (4.1 kg) 2025016 (less base)

LATHE GUARD
2250123 For Model 45, 90.
2250177 For Model 91.

SLOW SPEED CONVERSION KIT
(Model 90 only) .................. 2397033
(330-2100 RPM)
(Model 90 only) Pre-1960 2397037
(330-2100 RPM)

www.OzarkToolManuals.com
Model 50
6" Jointer

ALL MACHINES PERFORMANCE TESTED BEFORE SHIPMENT

Rugged,
Dynamo
Champion

Here is one of the most versatile of all Powermatic machines... equally adaptable for industrial, student training or home workshop use. Built with the strength and rigidity of much larger units, this Powermatic 6" Jointer is light enough to be moved quickly anywhere... from the production line to the building site. Smart, streamlined design is free of dust-catching corners and crevices... saves shop clean-up time!

EXTRA LARGE CENTER-MOUNTED FENCE

Plunger-locks at 90 degrees with automatic stops at 45 degrees right and left. Positive quick-lock in any other position. Glides easily and locks across full table width, completely granting cutterhead at rear of fence.

POSITIVE FENCE HOLD-DOWN CLAMP

Adjust fence to desired angle and lock the hold-down clamp. Fence will then maintain rigid horizontal alignment with the table.

CONTROLLED CHIP CUTTERHEAD

Powermatic's exclusive, patented controlled Chip Cutterhead: reduces noise level, lessens tendency to pull out or lift grain, lowers feed force requirement to move material across tables, reduces chip size and greatly reduces kickback potential based on minimized blade exposure above surface of cutterhead.

"SKEW" or Shear Cutting is easily accomplished by swiveling fence. This practice especially desirable on materials such as curly maple, cherry and fir.

LEVER ACTIVATED TABLES

Infeed table is quickly and EASILY raised and lowered to exact cutting depths and to parallel outfeed table with knives.

WHEEL TABLE ADJUSTMENT

A convenient handwheel permits precise outfeed table adjustments.
FEATURES

TABLES: Fully adjustable infeed and outfeed tables are mounted on dove-tailed ways to form extra long 48" (1219.20 mm) bed. Both tables raise and lower precisely. Infeed table has extra long extension rest for rabbeting.

FENCE: Over-size center-mounted fence maintains alignment and rigidity when locked in any position. Tilts and positively locks at any angle from 45 degrees left to 45 degrees right, with plunger-type lock at 90 degrees. Positive stops at 45 degrees right and left. Adjustable to full width of tables.

CUTTERHEAD: Patented Controlled Chip jack-screw type with speedy accurate knife adjustment. Equipped with 3 high speed, heat treated M-2 tool steel knives and rugged cutterhead of the finest carbon steel, precision ground and balanced. Features a full 3" (76.20 mm) cutting arc and quiet running with a minimum of grain pull out. Mounted in over-size dust-sealed ball bearings for long-life performance in continuous operation at 5000 RPM (523.6 rad/s).

DRIVE: Non-slip V-belt for utmost efficiency in any work load range. Drive, motor and switch completely enclosed in base.

POWER REQUIREMENTS: For average and heavier stock and work volume, a ¾ HP (560 kw) 1-phase or 3-phase motor is recommended.
• All locally cut to seal live or steel, none die cast.
• Rigid reinforced cabinet-type steel base with built-in dust chute.
• Extra long table extension rest for rabbeting.
• Bed is close-tolerance ground for perfect alignment.

STANDARD EQUIPMENT

JOINTER: Set of 3 heat treated M-2 high speed tool steel knives, arbor pulley, center mounted fence, cutterhead guard, motor pulley, belt and knife wrench, less: Stand, motor and controls (NOTE: Belt and motor pulley supplied for 3600 RPM motor).

BASIC MACHINES

1500030 Model 50, 6" (152.40 mm) Jointer with all standard equipment. Less: Motor, controls and enclosed steel stand.

1 Phase
6470801 ¾ HP (.560kw) 60 Hz, 3600 RPM (376.99 rad/s), 115/230v. TEFC, 56 frame.

3 Phase
6470809 ¾ HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v.

1 Phase
2398336 Magnetic Controls, 115/230v.
2398369 Switch, 115/230v.
* 2398487 Magnetic Controls, 115/230v. w/24v transformer.

*May be specified with 110v transformer

1 Phase
2398118 Magnetic Controls, 200/230/460/575v.
2398230 JIC Controls, 200/230/460/575v.
2398371 Switch, 200/230/460/575v.
*2398435 Magnetic Controls, 200/230/460/575v. w/24v transformer.

OPTIONAL ACCESSORIES

2230001 Quick Set knife Gauge ............... Wt. 2 lbs. (9 kg)
2397076 Cutterhead retro kit, controlled chip, 6" Wt. 6 lbs (2.7 kg)
2759063 Jointer Stand only .......... Wt. 63 lbs (28.6 kg)

3 Phase
6077027 Belt for 3600 RPM (376.99 rad/s) motor
6427001 3 Heat treated M-2 high speed tool steel knives .......... Wt. 1 lb (45 kg)
6807033 Motor pulley, 3½" diameter.

3600 RPM
6427001 3 Heat treated M-2 high speed tool steel knives .......... Wt. 63 lbs (28.6 kg)

3600 RPM
6077027 Belt for 3600 RPM (376.99 rad/s) motor
6427001 3 Heat treated M-2 high speed tool steel knives .......... Wt. 63 lbs (28.6 kg)

3 SPECIFICATIONS

Table ......................... 7" x 48" (177.80 mm x 1219.20 mm)
Head cutting arc .................. 3" (76.20mm)
Knives (3) high speed tool steel ....... ⅜" x ⅜" x 6" (3.18mm x 17.50mm x 152.4mm)
Speed of head (recommended) ....... 5000 RPM (523.6 rad/s)
Knife-cuts-per-minute .......... 15,000
Maximum depth of cut .......... ⅜" (12.70mm)
Maximum rabbeting cut ........... 0" up to ⅜" x 6" (12.70mm x 152.4mm)

Fence size overall .......... 4" (101.60mm) x 34 ⅜" (876.30mm)
Fence tilt, right or left .......... 45 Degrees
Height, less stand .......... 14" (355.60mm)
Height, with stand .......... 20" (510.00mm)
Motor recommended .......... ¾ HP (.560 kw)
Weight, domestic crated with stand and motor .......... 250 lbs (113.15kg)
Weight, domestic crated, less stand .......... 190 lbs (86.2 kg)
Weight, domestic crated, with stand .......... 265 lbs (120.2kg)

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HEAVY-DUTY PRODUCTION LEADER

This big-capacity Powermatic 8" Jointer slashes costs and saves time on thousands of jobs daily in hundreds of production lines, sash and door plants, pattern and cabinet shops throughout the nation. An extremely powerful model, the mammoth 64" bed accommodates extra long stock requirements. Cutterhead guard has swing-away action for quick conversion to rabbeting operations.

Extra Large Center-Mounted Fence plunger-locks at 90 degrees with automatic stops at 45 degrees right and left. Positive quick-lock in any other position. Glides easily and locks across full table width, or is removable for planing wide stock.

Adjustable Outfeed Table
A convenient handwheel permits precise outfeed table adjustments.

"Skew or Shear Cutting" is easily accomplished by swiveling fence. This practice is especially desirable on materials such as curly maple, cherry and fir.

Positive Fence Hold-Down Clamp Adjust fence to desired angle and lock the hold-down clamp. Fence will then maintain rigid horizontal alignment with the table.

Quick, Sure Table Adjustments on dovetailed ways are easy to make, easy to read with the exclusive lever activated tables. Adjustable gibbs compensate for wear. Production lock prevents table movement during operation.

Controlled Chip Cutterhead
Powermatic's exclusive, patented controlled Chip Cutterhead reduces noise level, lessens tendency to pull out or lift grain, lowers feed force requirement to move material across tables, reduces chip size and greatly reduces kickback potential based on minimized blade exposure above surface of cutterhead.
TABLES: Fully adjustable infeed and outfeed tables are mounted on dovetailed ways to form king-size capacity 64" (1625.60 mm) table surface. Both tables are quickly and accurately raised and lowered. For rabbeting, infeed table has extra long extension rest.

FENCE: Full length, self-aligning fence locks rigidly in any position. Tilts and positively locks at any angle. Plunger-type lock at 90 degrees. Positive stops at 45 degrees right and left. Single lever adjustment to full width of tables. Cutterhead at rear of fence fully guarded in all fence positions.

CUTTERHEAD: Patented controlled chip, quiet running jack-screw type with steady, accurate knife adjustment. Equipped with 3 high speed, heat treated M-2 tool steel knives and rugged cutterhead of the finest carbon steel, precision ground and balanced. Cutting arc is full 3" (76.20 mm) diameter mounted in over-sized dust-sealed ball bearings for high efficiency in continuous operation at 5,000 RPM (253.6 rad/s).

DRIVE: Non-slip V-belt for maximum performance even under extremely heavy work load. Drive, motor, and switch completely enclosed in base.

POWER REQUIREMENTS: Designed for average, heavy and extra heavy work loads requiring 3/4 HP (560 kw), 1HP (746 kw) 1 1/2HP (1119kw), 2 HP (1492 kw) 1 or 3-phase motor.

**FEATURES**

STANDARD EQUIPMENT

JOINTER: Set of 3 high speed, heat treated M-2 tool steel knives, arbor pulley, center mounted fence, cutterhead, guard, motor pulley, belt and knife wrench. Less: Stand motor and controls.

(NOTE: Belt and motor pulley supplied for 3600 RPM (376.99 rad/s).

PRICE IS RIGHT MACHINES

1610040 Model 60 Jointer complete with all standard equipment, plus 2 HP, 3 PH motor, magnetic controls, stand and Model 150 gauge, 230 volt only, please.

1 Phase

6470801 3/4 HP (.560 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v. TECF, 56 frame.
6471100 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v. TECF, 56 frame.
6471400 1 1/2 HP (1.119kw), 60 Hz., 3600 RPM (376.99 rad/s), 115/230v. TECF, 56 frame.

3 Phase

6470809 3/4 HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TECF, 56 frame.

MOTORS

6470810 3/4 HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TECF, 56 frame.
6471110 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TECF, 56 frame.
6471119 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TECF, 56 frame.
6471412 1 1/2 HP (1.119kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TECF, 56 frame.
6471413 1 1/2 HP (1.119kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TECF, 56 frame.
6471706 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TECF, 145T frame.

CONTROLS

1 Phase

2398336 Magnetic Controls, 115/230v.
2398369 Switch, 115/230v.
*2398487 Magnetic Controls, 115/230v w/24v transformer.

*May be specified with 110v transformer

3 Phase

2398116 Magnetic Controls, 200/230/460/575v.
2398230 JIC Controls, 200/230/460/575v.
2398371 Switch, 200/230/460/575v.
*2398435 Magnetic Controls, 200/230/460/575v w/24v transformer.

OPTIONAL ACCESSORIES

2230001 Quick Set Knife Gauge... wt. 2 lbs. (.9 kg)
2250179 Guard
2397077 Cutterhead retro kit, controlled chip, 8"... Wt. 8 lbs. (3.6 kg)

2759063 Jointer Stand only... wt. 65 lbs. (29.5 kg)
6427002 3 heat treated M-2 high speed tool steel knives... wt. 1 lb. (45 kg)

SPECIFICATIONS

Table.................... 8 1/2" x 64" (215.90 mm x 1625.60mm)
Head cutting arc................ 3" (76.20mm)
Knives (3).................... 1/16" x 1/16" x 8" (1.81mm x 17.5mm x 203.2mm)
Motor recommended................ 1 1/2 HP (.560kw) to 2 HP (1492 kw)

Weight, domestic crated, less stand................ 322 lbs (146.0 kg)
Weight, domestic crated, with stand................ 400 lbs (181.4 kg)

Fence size overall................ 4" x 34 1/2" (101.60mm x 876.30mm)
Height, less stand................ 17" (431.80mm)
Height, with stand................ 43" (1092.2 mm)
Motor recommended................ 1/2 HP (.560kw) to 2 HP (1492 kw)

Weight, domestic crated, less stand................ 322 lbs (146.0 kg)
Weight, domestic crated, with stand................ 400 lbs (181.4 kg)
Weight, domestic crated, with stand and motor................ 440 lbs (199.5 kg)
Model 30B Combination Belt & Disc Sander

The Powermatic Model 30-B Combination Belt and Disc Sander is a step in the direction of pollution control with the optional Dust Collector. The 30-B Sander can be used for both wood and metal sanding, and, with its own dust collection system, eliminates the necessity of a separate dust control unit. Dust disposal is easily accomplished with the removable drawer.

Rugged cast iron construction virtually eliminates vibration of all contour, angle, and flat sanding jobs.

The standard tilting table (45 degrees down or 15 degrees up) and the swing away end guard (for easy access to the contour sanding surface), along with the optional tilting fence and miter gauge, permit rapid set-ups without the need for special tools.

Improve the quality of your work with a dust free environment!

TILTING TABLE
Heavy duty cast iron table tilts 45 degrees down to 15 degrees up. Table may be used on either belt or disc or is easily removable for linear sanding. Long objects may be cross grain sanded with out mitering disc guard.

CONTOUR SANDING is accomplished without removal of guard end cap. Merely swing cap back for access to full idler drum contact. The platen may also be removed for loose belt contouring.

Optional Dust Collector stand features a no-clog accordion type bag which collects the finest particles, even chalk dust.

Heavily Veined carefully balanced sanding disc is ideal for heavy duty deburring or fine pattern core finishing operations.
TILTING TABLE: Big 7" x 17 1/4" (117.8 mm x 438.2 mm) tilting table is slotted for accurate tilt gauge attachment. Easy to tilt and lock at any angle from 0 degrees to 45 degrees down, or 15 degrees up. Change easily from belt to disc operation.

DRUMS: 4 1/2" (114 mm) in diameter, both drums are mounted in big sealed ball bearings for extra smooth operation and years of trouble-free service. Idler drum accurately maintains belt tension. Easy-to-reach belt controls assure positive and accurate alignment.

BELT: Accommodates 6" x 48" (152 mm x 1219 mm) belt. Entire belt assembly may be quickly adjusted for operation at 4 positions from horizontal to vertical. Outer belt guard may be swung away for contour or edge sanding. 2850 SFM (14.48 m/sec).

SANDING DISC: Full size 12" (304.8 mm) disc is more than ample for most sanding and polishing operations. Dynamically balanced to reduce vibration. 2400 RPM.

GUARDS: Only the moving sanding surfaces are exposed. All other moving parts, including belt assembly are completely guarded.

TRUNNION: Extremely heavy duty construction assures complete table rigidity at all times.

DUST COLLECTOR: The optional Dust collector stand is self-contained. 300 CFM to help meet OSHA requirements. No hoses to clog or burn. 20 sq. ft. of filter area, external shaker and clean out drawer are added features.

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STANDARD EQUIPMENT

Model 30B Belt and Disc Sander: Interchangeable, tilting table, belt and disc guards, exhaust outlets, work stop, sanding belt and disc, arbor pulley, belt and motor pulley. Less: Motor Controls and Stand.

BASIC MACHINE

1300131 Model 30B Belt and Disc Sander with all standard equipment. Less: Motor Controls and Stand.

PRICE IS RIGHT MACHINES

1300134 Model 30B sander complete with all standard equipment plus floor stand without dust collector, two tilting tables, 1 1/2 HP, 1 phase motor and manual switch, 115 volt only please.

1300136 Model 30B sander complete with all standard equipment plus floor stand without dust collector, two tilting tables, 1 1/2 HP, 3 phase motor and manual switch, 200 volt only please.

MOTORS

1 Phase

6471301 1 1/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 115/230v, TEFC, 145T frame.

3 Phase

6471304 1 1/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 230/460 TEFC, 145T frame.

6471322 1 1/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 200v TEFC, 145 T frame.

CONTROLS

1 Phase


2398530 Magnetic Controls. 115/230v.

2398532 Magnetic Controls, 115/230v w/24v transformer.

3 Phase

2398520 JIC controls. 200/230/460/575v.


2398531 Magnetic Controls. 200/230/460/575v.

2398532 Magnetic Controls. 200/230/460/575v w/24v transformer.

OPTIONAL ACCESSORIES

6078002 Metal sanding aluminum oxide belt, 50 grit, coarse, wt. 8 oz. (.23 kg).

6078003 Wood sanding garnet belt, 80 grit, medium, wt. 8 oz. (.23 kg).

6078004 Wood sanding garnet belt, 40 grit, coarse, wt. 8 oz. (.23 kg).

6206001 Wood sanding disc, 80 grit, medium, wt. 8 oz. (.23 kg).

6206002 Wood sanding disc, 40 grit, coarse, wt. 8 oz. (.23 kg).

6206003 Metal sanding aluminum oxide disc, 100 grit, fine, wt. 8 oz. (.23 kg).

6206004 Metal sanding aluminum oxide disc, 50 grit, coarse, wt. 8 oz. (.23 kg).

SPECIFICATIONS

Belt Speed .................................................. 2850 SFM (14.48 m/sec)
Disc Speed ................................................. 2400 RPM (251.28 rad/sec)
Belt Size .............................................. 6" x 48" (152 mm x 1219 mm)
Support table under belt ......................... 6 1/4" x 14 1/2" (165 mm x 368 mm)
Working height in horizontal position ........ 37 3/8" (952.5 mm)
Disc Size .................................................... 12" (304.8 mm) dia.
Table ...................................................... 7" x 17 1/4" (117.8 mm x 438.2 mm)
Tilt ......................................................... 45 degrees down, 15 degrees up

Drum Size ............................................. 4 1/2" x 6 3/4" (114 mm x 162 mm)
Distance between drum centers ................. 7 3/4" (198.3 mm)
Height with stand and dust collector .......... 41 1/2" (1057.9 mm)
Height with stand ................................... 33 1/2" (844.5 mm)
Width ...................................................... 22 1/4" (571.5 mm)
Weight, Basic machine with motor and stand ... 315 lbs (141.7 kg)
Weight, Basic machine less stand .............. 200 lbs (90 kg)
The Powermatic Model 33B belt sander is ideally suited to the cabinet shop, school shop, furniture plant and works beautifully on either wood or metal. The heavy cast iron platen permits operator to perform either heavy-duty or finish sanding. This unit is available with a regular floor stand for connection to existing dust collection system or with a self-contained accordion type dust collector to collect even the finest dust particles.

Contour Sanding is accomplished without removal of guard end cap. Merely swing the end cap back for access to full idler drum contact. The platen may also be removed for loose belt contouring.

Three Position automatic locking sanding belt assembly permits sanding ease. Use of the tilting table and miter gauge makes miter sanding easy and simple.

Edge Sanding with the wood grain is easily accomplished by removal of work stop and placing belt in horizontal position.

Belt Tracking is simplified through use of a fine thread screw. A large knurled knob then locks belt in tracking position.
TILTING TABLE: Big 7" x 17¼" (177.8 mm x 438.2 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and lock at any angle from 0 degrees to 45 degrees or out 15 degrees in. DRUMS: 4½" (114.3 mm) in diameter, both drums are mounted with sealed ball bearings for extra smooth operation and years of trouble-free service. Idler drum accurately maintains belt tension. Easy-to-reach belt controls assure positive and accurate alignment. BELT: Accommodates 6" x 48" (152 mm x 2438 mm) belt. Entire belt assembly may be quickly adjusted for operation at any position from horizontal to vertical. Outer belt guard may be swung away for contour or edge sanding.

GUARDS: Only the moving sanding surfaces are exposed. All other moving parts, including belt assembly, are completely guarded. Belt assembly guard has dust duct opening. TRUNNION: Extremely heavy duty construction assures table rigidity at all times. Single knob locking. DUST COLLECTOR: The optional Dust Collector stand is self-contained. 300 CFM to help meet OSHA requirements. No hoses to clog or burn. 20 sq. ft. of filter area, external shaker and clean-out drawer are added features.


STANDARD EQUIPMENT

BASIC MACHINE

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330111</td>
<td>Model 33-B Belt Sander with all standard equipment. Less: Motor. Controls and Stand.</td>
</tr>
</tbody>
</table>

1 Phase

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6471301</td>
<td>1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/sec), 115/230v, TEFC, 45T frame.</td>
</tr>
</tbody>
</table>

3 Phase

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6471304</td>
<td>1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/sec), 230/460v, TEFC, 45T frame.</td>
</tr>
</tbody>
</table>

MOTORS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2398530</td>
<td>Magnetic Controls, 115/230v.</td>
</tr>
<tr>
<td>*2398532</td>
<td>Magnetic Controls, 115/230v, w/24v transformer.</td>
</tr>
</tbody>
</table>

*May be ordered with 110v transformer

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2398230</td>
<td>JIC Controls, 200/230/460/575v.</td>
</tr>
<tr>
<td>2398531</td>
<td>Magnetic Controls, 200/230/460/575v.</td>
</tr>
<tr>
<td>*2398533</td>
<td>Magnetic Controls, 200/230/460/575v, w/24v transformer.</td>
</tr>
</tbody>
</table>

CONTROLS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2093002</td>
<td>Stand w/dust collector</td>
</tr>
<tr>
<td>2105004</td>
<td>Tilting Fence assembly, Wt. 14 lbs. (6.36 kg)</td>
</tr>
<tr>
<td>2195020</td>
<td>Non-tilting fence assembly, Wt. 2 lbs. (92 kg)</td>
</tr>
<tr>
<td>2471010</td>
<td>Miter Gauge, Wt. 3½ lbs. (1.59 kg)</td>
</tr>
<tr>
<td>2759039</td>
<td>Stand Assembly w/o dust collector</td>
</tr>
<tr>
<td>3U38003</td>
<td>Replacement filter</td>
</tr>
<tr>
<td>6078001</td>
<td>Metal sanding aluminum oxide belt, 100 grit, fine, Wt. 8 oz. (23 kg)</td>
</tr>
<tr>
<td>6078002</td>
<td>Metal sanding aluminum oxide belt, 60 grit, coarse, Wt. 8 oz. (23 kg)</td>
</tr>
<tr>
<td>6078003</td>
<td>Wood sanding garnet belt, 80 grit, fine, Wt. 8 oz. (23 kg)</td>
</tr>
<tr>
<td>6078004</td>
<td>Wood sanding garnet belt, 40 grit, coarse, Wt. 8 oz. (23 kg)</td>
</tr>
</tbody>
</table>

OPTIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2850</td>
<td>Belt speed 2850 SFM (14.48 m/sec)</td>
</tr>
<tr>
<td>4½x6</td>
<td>Sanding belt 6&quot; x 46&quot; (152 mm x 1219 mm)</td>
</tr>
<tr>
<td>7x17¼</td>
<td>Belt drum 4½&quot; x 6½&quot; (114.3 mm x 161.9 mm)</td>
</tr>
<tr>
<td>17¾</td>
<td>Table 7&quot; x 17¼&quot; (177.8 mm x 438.2 mm)</td>
</tr>
<tr>
<td>45</td>
<td>Table tilt 45 Degrees Down, 15 Degrees Up</td>
</tr>
<tr>
<td>17&quot;</td>
<td>Distance between drum centers 17&quot; (431.8 mm)</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height with stand or dust collector</td>
<td>3½&quot;</td>
<td>(952.5mm)</td>
</tr>
<tr>
<td>Length with stand or dust collector</td>
<td>93½&quot;</td>
<td>(2444.4 mm)</td>
</tr>
<tr>
<td>Width</td>
<td>22½&quot;</td>
<td>(571.5 mm)</td>
</tr>
<tr>
<td>Weight, Basic machine with motor and stand</td>
<td>295 lbs</td>
<td>(312.7 kg)</td>
</tr>
<tr>
<td>Weight, Basic machine less stand</td>
<td>180 lbs</td>
<td>(61 kg)</td>
</tr>
</tbody>
</table>

www.OzarkToolManuals.com
Considered by many to be the finest 12" disc sander available, the Powermatic Model 35B is a workhorse that converts from rough, heavy-duty sanding to finished with the change of the abrasive disc. A special alloy veined and dynamically balanced sanding disc insures vibration-free sanding.

The unit is fully guarded to provide maximum operator productivity and features a 4" dust outlet for quick hookups to your dust system.

Whether in hobby shop or high-production operation, you'll be amazed with the superb quality and speed you get on any sanding, polishing, deburring or burnishing job. Just lock-set the tilting table in proper position and you're ready to go.

Move it anywhere quickly, too . . . with or without the rigid, heavy-gauge steel floor stand. Just plug in and you're ready to go again in a new location.

Optional Miter Gauge is constructed of precision machined cast aluminum with positive stops at the 45 and 90 degree positions. The overall accuracy of miter gauge, table and sanding disc insures precision surfaces on all types of angle and miter cuts.

Precision Ground table surface permits free-hand operation for sanding or grinding contoured or irregularly shaped parts.

Cast Iron table is heavily ribbed and mounted in hefty cast iron double trunnions to prevent distortion from heavy work load or sanding pressures.

Table Tilts 45 degrees down and 15 degrees up to handle most sanding and deburring operations.

A Single Handwheel locks both trunnions accurately and securely. The large, easy to read tilt scale shows exact degree of table tilt.
**Model 35-B 12" Disc Sander**

**FEATURES**

**TILTING TABLE:** Extra-wide 7" (178 mm) x 17¼" (438 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and securely lock at any angle 0 degrees to 45 degrees down, 15 degrees up.

**GUARD:** Only the moving disc surface is exposed. All other moving parts are completely guarded.

**TRUNNION:** Finest heavy-duty construction for smooth and easy tilting operation and positive table locking in any position.

**DRIVE:** Sanding Disc is mounted directly on motor drive shaft, ¾ HP (.559 kw) to 1½ HP (1.12 kw), 1 or 3 PH motor available.

**SANDING DISC:** Full size 12" (304.8 mm) disc satisfies most sanding and polishing operations. 1800 RPM (188.5 rad/sec).

**STANDARD EQUIPMENT**

Disc Sander: 2-way tilting table, disc, guard, exhaust outlet and one 50 grit aluminum oxide sanding disc. Less: Motor and controls.

**PRICE IS RIGHT MACHINES**

1350033 Model 35B disc sander complete with all standard equipment plus floor stand, 1 HP, 1 phase motor and manual switch. 115 volts only please.

1350036 Model 35B disc sander complete with all standard equipment plus floor stand, 1 HP, 3 phase motor and manual switch. 230 volts only please.

**BASIC MACHINE**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Motor Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1350032</td>
<td>12&quot; (304.8 mm) Disc Sander</td>
<td>¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/230 v, TEFC, 56 frame.</td>
</tr>
<tr>
<td>1350033</td>
<td>Model 35B disc sander complete with all standard equipment plus floor stand, 1 HP, 1 phase motor and manual switch.</td>
<td>1½ HP (1.12 kw), 115/230v, TEFC, 56 frame.</td>
</tr>
<tr>
<td>1350036</td>
<td>Model 35B disc sander complete with all standard equipment plus floor stand, 1 HP, 3 phase motor and manual switch.</td>
<td>230 volts only please.</td>
</tr>
</tbody>
</table>

**MOTOR**

- **1 Phase**
  - 6470700 ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/230 v, TEFC, 56 frame.
  - 0471022 1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/230v, TEFC, 56 frame.
- **3 Phase**
  - 6470707 ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460v, TEFC, 56 frame.
  - 3 Phase 6470707 ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460v, TEFC, 56 frame.

**CONTROLS**

- **1 Phase**
  - 2398200 Manual Switch, 115v.
  - 2398340 Magnetic Controls, 115/230v.
  - 2398489 Magnetic Controls, 115/230v, w/24v transformer.
  - 3 Phase 2398131 Magnetic Controls, 200/230/460/575v.

- **2398201** Switch, 200/230/460/575v.
- **2398230** JIC Controls, 200/230/460/575v.
- **2398482** Magnetic Controls, 200/230/460/575v, w/24v transformer.

  *May be ordered with 110v transformer

**OPTIONAL ACCESSORIES**

- **2471010** Miter gauge, wt. 3½ lbs. (1.59 kg).
- **2759003** Steel floor stand, totally enclosed, wt. 50 lbs. (22.7 kg).

- **6206002** Garnet Disc for wood, 12" (304.8 mm) diameter, 40 grit, coarse, wt. 8 ozs. (.23 kg).
- **6206004** Aluminum oxide disc for metal, 12" (304.8 mm) diameter, 50 grit, coarse, wt. 8 ozs. (.23 kg).

**SPECIFICATIONS**

- **Floor Model:**
  - Width: 17¾" (451 mm)
  - Height: 46½" (1181 mm)
  - Front to Rear: 18½" (470 mm)

- Motor: ¾" (15.9 mm)
- Table: 7" (18 mm) x 17¼" (438 mm)
- Table tilt: 45 degrees down, 15 degrees up
- Sanding disc: 12" (304.8 mm)
- Weight, domestic crated, less stand: 105 lbs. (47.7 kg)
- Weight, domestic crated, with stand: 206 lbs. (93.5 kg)
Model 1150-A
15” Drill Press

Change Speed Instantly...
Check Speed Instantly... with Powermatic’s variable speed drive drill press.

There are no belts to handle when you change spindle speed! Just a twist of the accurately calibrated variable speed control lets you choose speeds instantly while machine is running. An extra wide speed range in one model—475 to 4800 RPM (49.74 rad/s to 502.66 rad/s). Increased accuracy and bit life in all drilling operations.

Single units or multiples... for every application

The Model 1150-A Drill Press is available in either the Powermatic pioneered variable speed drive or a five-speed step pulley model. The fully guarded five-speed model with snap open-shut belt access door is built with the same precision as the variable speed drive.

VARI-SLOW ATTACHMENT
One belt change provides infinite variable speed control from less than 100 RPM to 4600 RPM (10.47 rad/s to 481.71 rad/s). For field installation only. Cannot be factory mounted. Cannot be installed on step pulley models. Only available for variable speed models.
## STANDARD FLOOR AND MULTIPLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>Spindle &amp; Motor Spec.</th>
<th>Tilting Table Floor Model</th>
<th>Production Table Floor Model</th>
<th>2-Spindle</th>
<th>3-Spindle</th>
<th>4-Spindle</th>
<th>6-Spindle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Variable</td>
<td>Step Pulley</td>
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<td>#2 Morse Taper</td>
<td>1152810</td>
<td>1152820</td>
<td>1152810</td>
<td>1152820</td>
<td>1154294</td>
<td>1155290</td>
</tr>
<tr>
<td>Less Mtr. &amp; Switch</td>
<td>(290 lbs) (131.5 kg)</td>
<td>(250 lbs) (113.4 kg)</td>
<td>(360 lbs)</td>
<td>(163 kg)</td>
<td>(320 lbs)</td>
<td>(778 lbs)</td>
</tr>
<tr>
<td>Key Chuck</td>
<td>1152790</td>
<td>1152860</td>
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<td>1152860</td>
<td>1154294</td>
<td>1155290</td>
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<td>(290 lbs) (131.5 kg)</td>
<td>(250 lbs) (113.4 kg)</td>
<td>(360 lbs)</td>
<td>(163 kg)</td>
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</table>

**Note:** All multipurpse spindle models include table, legs, tianges, columns, head raising mechanisms and heads—less motors and controls.

## SPECIAL T-SLotted MULTIPLE SPINDLE MODELS

<table>
<thead>
<tr>
<th>Spindle &amp; Motor Spec.</th>
<th>3-Spindle</th>
<th>3-Spindle</th>
<th>4-Spindle</th>
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<tr>
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<td>Variable</td>
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<tr>
<td>#2 Morse Taper</td>
<td>1154292</td>
<td>1154296</td>
<td>1152922</td>
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<td>Less Mtr. &amp; Switch</td>
<td>(113.4 lbs)</td>
<td>(103.3 kg)</td>
<td>(531 lbs)</td>
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</tbody>
</table>

## PRICE IS RIGHT

- **Model 1150-A Drill Press**, floor model, variable speed drive, complete with tilting table, key chuck spindle, ¾ HP, 1 PH motor and manual switch. 115v only, please.
- **Model 1150-A Drill Press**, floor model, step pulley drive complete with tilting table, key chuck spindle, ¾ HP, 1 PH motor and manual switch. 115v only, please.
- **Model 1150-A Drill Press**, floor model, variable speed drive, complete with tilting table, key chuck spindle, ¾ HP, 3 phase motor and manual switch. 230 volt only please.
- **Model 1150-A Drill Press**, floor model step pulley drive complete with tilting table, key chuck spindle, ¾ HP, 3 PH, 3 phase motor and manual switch. 230 volt only please.

## MULTIPLE SPINDLE TABLES & STEEL SUPPORT LEGS

- **Leg, steel, 27 1/2" (698.50 mm) high for mounting production tables**, Wt. 43 lbs. (19.5 kg) ea.
- **Production Table 19 3/4" x 98 3/4" (501.65 mm x 2501.90 mm)**. Accommodates up to six spindles, 3 legs required. Wt. 560 lbs. (254.0 kg).
- **Production Table 19 3/4" x 128 1/2" (501.65 mm x 3263.90 mm)**. Accommodates up to eight spindles, 4 legs required. Wt. 781 lbs (351.5 kg).
- **Production Table 20 3/4" x 30 1/2" (514.35 mm x 768.35 mm)**. Accommodates up to two spindles, 2 legs required. Wt. 235 lbs (106.5 kg).
- **Production Table 19 3/4" x 65 3/4" (501.65 mm x 1675.35 mm)**. Accommodates up to four spindles, 2 legs required. Wt. 394 lbs (176.7 kg).
- **Production Table 19 3/4" x 65 3/4" (501.65 mm x 1675.35 mm)** with T-slots. Accommodates up to four spindles, 2 legs required. Wt. 394 lbs (176.7 kg).

## STANDARD HEADS

- **Variable Speed, No. 2 Morse Taper**, Head only. Less: motor.
- **Variable Speed, key chuck, head only. Less: motor.**

## MOTORS

<table>
<thead>
<tr>
<th>Phase</th>
<th>HP (.560 kw), Hz, RPM</th>
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<th>2 Phase</th>
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<tr>
<td>1</td>
<td>3/4 (125.66 rad/s)</td>
<td>6470600</td>
<td>6470607</td>
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<td></td>
<td>60 Hz, 1200 RPM</td>
<td>115/230v</td>
<td>200v,</td>
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<td>6470700</td>
<td>115/230v</td>
<td>TEFC,</td>
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<td>3/4 (188.50 rad/s)</td>
<td>115/230v</td>
<td>56 frame.</td>
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<tr>
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<td>60 Hz, 1800 RPM</td>
<td>230/460v</td>
<td>56 frame.</td>
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<td>230/460v, TEFC, 56 frame.</td>
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<td>230/460v, TEFC, 56 frame.</td>
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</tbody>
</table>

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Model 1150-A
15" Drill Press

CONTROLS

1 Phase
2398523 Magnetic Controls
2398525 Magnetic Controls w/24v Transformer
2398527 Manual Controls

3 Phase
2398230 JIC Controls

2398522 Manual Controls
2398524 Magnetic Controls
*2398526 Magnetic Controls w/24v Transformer

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

2028013 Mortise Attachment, complete with hold-down, wt. 11 lbs (5.0 kg).
2028067 Vari-Slo Attachment. Field installation only.
2192003 Foot Feed, wt. 32 lbs. (14.5 kg).
2212005 Flange for mounting Column on Table. Wt. 9 lbs. 8 oz. 4.3 kg.
2250122 Guard
2277004 Table Raising Mechanism (old style).
2277104 Head Raising Mechanism. Wt. 14 lbs. 4 oz. (6.5 kg).
2391010 Coolant Parts Assembly. Consists of nozzle valve, column mounting clamp and hose assembly. Wt. 10 lbs. 4.5 kg. One required for each spindle.
2432004 Center table leg (4 spindle table).
2640017 Spindle Assembly, #33 Taper complete with bearings. Less: Jacobs Chuck. Wt. 7 lbs. (3.2 kg).
2640018 Spindle, Assembly #2 Morse Taper complete with bearings. Wt. 7 lbs. (3.2 kg).
2797008 Topping Table 10" x 14" (254.00 mm x 355.60 mm). Wt. 33 lbs. (15.0 kg).
2797033 Production Table for Floor Model. 12" x 18" (304.80 mm x 457.20 mm). Wt. 79 lbs. (35.8 kg).
3042121 Base for Single Spindle Floor Model. Wt. 60 lbs. (27.2 kg).
3096008 Safety Collar for Head or Table. Wt. 2 lbs. 4 oz. (1.1 kg).
3098208 Column. Multiple Spindle. 42" (1066.80 mm). Wt. 19 lbs. (8.6 kg).

SPECIFICATIONS

Spindle; steel . . . . 10-spine, #2 Morse Taper or #33 Jacobs Taper with 0" - 1/8" (12.70 mm) capacity chuck
Spindle travel .............................................. 6" (152.40 mm)
Quill diameter .................................................. 2 3/8" (55.50 mm)
Column diameter ........................................... 3" (76.20 mm) O.D.
Column length, floor model ................................ 66" (1676.40 mm)
Column length, bench model ............................... 42" (1066.80 mm)
Column, wall thickness ................................... 3/8" (4.76 mm)
Table working surface:
Tapping table ........................................ 10" x 14" (254.00 mm x 355.60 mm)
Production table .................................. 12" x 18" (304.80 mm x 457.20 mm)
Base working surface ............................ 8" x 12" (215.90 mm x 304.80 mm)
Capacity in cast iron ...................................... 9/16" (14.58 mm)
Capacity in steel ........................................ 9/16" (14.58 mm)
Throat depth ........................................... Drills to center of 15" (381.00 mm) dia.
Spindle nose to: TABLE BASE
Floor Model—Production Table .......................... 37 1/4" 47 1/4"
Floor Model—Tilt Table .................................. 31 1/4" 46 1/4"
Bench Model ............................................... 21 1/4"
Key Chuck to:
Floor Model—Production Table .......................... 36 1/4" 47 1/4"

3098209 Column. Floor Model, 66" (1676.40 mm). Wt. 31 lbs. (14.1 kg).
3694005 Leveling screws.
3797029 Production Table for Bench Model, 14 1/2" x 16" (366.30 mm x 406.40 mm) working surface. Wt. 87 lbs. (39.5 kg).
6023003 Adaptor Arbor for #6118013 Chuck.
6116001 Hollow Chisel, 1/4" (6.35 mm).
6116003 Hollow Chisel, 3/16" (5.52 mm).
6116005 Hollow Chisel, 1/2" (12.70 mm).
6118013 0" to 1/8" (12.70 mm) chuck, #3 taper, with locking collar, includes key.
6160002 Coolant Pump and Tank. Wt. 37 lbs. (16.8 kg).
6220003 Hollow Chisel Bit only, 1/4" (6.35 mm).
6220005 Hollow Chisel Bit only, 3/16" (5.52 mm).
6220007 Hollow Chisel Bit only, 1/2" (12.70 mm).
6420045 Chuck Key
644005 Adjustable Work Light. Wt. 10 oz. (3 kg).
6856003 Angle Vise, 2 1/2" (63.50 mm) capacity. Wt. 9 lbs. (4.1 kg).
6856004 Straight Vise, 2 1/2" (63.50 mm) capacity. Wt. 6 lbs. (2.7 kg).
6056005 Straight Vise, 3" (76.20 mm) capacity. Wt. 7 lbs. (3.2 kg).

Floor Model—Tilt Table ........................................... 40 1/2" 46"
Bench Model .............................................. 21 1/4"
T-Slots use standard T Bolts .................................. 1/2"

Spindle Speeds:
Variable Speed Models
1800 RPM (188.50 rad/s) motor:
4/2 HPM (49.4 rad/s) to 4800 HPM (502.60 rad/s)
1200 RPM (125.66 rad/s) motor:
317 RPM (39.20 rad/s) to 3200 RPM (335.10 rad/s)

Step Pulley Models
1800 RPM (188.50 rad/s) . . . . 400 RPM (41.89 rad/s), 840 RPM (87.96 rad/s), 1580 RPM (165.46 rad/s), 2600 RPM (292.93 rad/s), 5300 RPM (555.02 rad/s)
1200 RPM (125.66 rad/s) . . . . 260 RPM (27.2 rad/s), 560 RPM (58.6 rad/s), 1050 RPM (109.9 rad/s), 1875 RPM (196.3 rad/s), 3550 RPM (371.6 rad/s)

Height, floor model ........................................ 66" (1676.40 mm)
Height, bench model ....................................... 42" (1066.80 mm)

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www.OzarkToolManuals.com
Model 1150-A
15" Drill Press

0" to ½" chuck, w/33 taper, locking collar, and chuck key. Available for special installations. Part No. 6118005
0" to ½" standard chuck with key. Part No. 6118013
#2 to 33 mt adaptor arbor. Part No. 6023003

Mounting Flange. Available for precise work. Part No. 6448005.
Lamp—a valuable aid in straight vise with accurately machined faces locks stock securely. Available in 2 ½" (63.50 mm) and 3" (76.20 mm) capacities. Part No. 6856004—2½" (63.50 mm). Part No. 6856005—3" (76.20 mm).

Mortising Attachment securely positions stock for all mortising operations. Part No. 2028013.

Centrifugal action...delivers large volume of liquid at low pressure...seals and bearings above liquid...Flow may be controlled or shut off without damage to motor...No priming needed...Coolant Pump complete with 115 V., 60 Cyolo, AC, 1900 RPM (198.50 rad/s) motor. Coolant parts assembly: Nozzle, valve, column mounting clamp and flexible hose, coolant piping and table clamps.

Tilting Vise, with precision machined faces, is quickly adjustable for drilling stock at virtually any angle. Part No. 6856003.

Tilting Table Tilts 90 degrees right or left for any angle boring job. Provides 10" x 14" (254.00 mm x 355.60 mm) working surface slotted for tooling. Part No. 2797008

Production Table provides extra large 12" x 18" (304.80 mm x 457.20 mm) working surface, precision machined for extra drilling accuracy. Includes raising mechanism. Part No. 2797033.

Table and Head-Raising Mechanisms are quick, positive...easily operated crank operates worm gear on column rack.

Spring-Balanced Foot Feed with depth-stop feeds operator's hands for unusual drilling jobs. Part No. 2192003.

Hollow Chisel and Bits available for every specialized mortising application. Choose from ¼" (6.35 mm), ⅜" (9.52 mm), and ½" (12.70 mm) sizes.
Model 1150-A
15" Drill Press

Specifically designed for the pattern, machine shop, and maintenance department operator. Large 26" x 36" table working surface to handle large or awkward shaped parts easily and precisely. These models are available with plain tables for free movement of fixturing, or T-slotted for standard 1/2" T Bolt anchor.

SPECIFICATIONS

Spindle Speeds:
- Variable speed models: High Speed (with 1800 RPM (188.50 rad/s) Motor)
  - 475 RPM (49.74 rad/s)-4800 RPM (502.66 rad/s)
- Step-pulley models:
  - High Speed 400 RPM (4189 rad/s), 840 RPM (87.96 rad/s), 1580 RPM (165.46 rad/s), 2800 RPM (293.22 rad/s)
  - 6300 RPM (666.02 rad/s)
  - with 1800 RPM (188.50 rad/s) Motor
- Vari-Slo Attachment Speeds: 100 RPM (10.47 rad/s) to 4600 RPM (481.71 rad/s)

- Quill Diameter: 2 3/4" (55.56 mm)
- Stroke: 6" (152.40 mm)
- Column Diameter: 3" (76.20 mm)
- Column Wall Thickness: 3/16" (4.76 mm)
- Column Length (standard): 42" (1066.80 mm)
- Largest Dia. Hole in Cast Iron: 9/16" (15.88 mm)
- Largest Dia. Hole in Steel: 1/2" (12.70 mm)
- Table Working Surface: 20" x 30" (508.00 mm x 762.00 mm)

Max. Distance, #2 MT Spindle Nose to Table:
- (with Standard Column): 21 1/4" (552.45 mm)

Max. Distance Key Chuck to Table:
- (with Standard Column): 21 1/4" (539.75 mm)

Weight, Net: 516 lbs. (234 kg)

BASIC MACHINES

1150250 Variable Speed with #2 Morse Taper. Less: T-Slots, Motor and Controls.
1150252 Variable Speed with #2 Morse Taper and T-Slots. Less:

NOTE: See pages 47 and 48 for Motors, Controls and Accessories.

ADDITIONAL ACCESSORY

The Drill Press guard provides operator protection with grid type panels set in a heavy self-locking frame. Visibility is through a thick plastic window directly in front of the work. Part No. 2250122.

All machines performance tested before shipment
**Model 1200**
**20” Drill Press**

**Change Speed Instantly**
Check Speed Instantly
Powermatic Variable
Speed Model with
QUICK-SET SPEED SELECTOR
AT EYE-LEVEL

No belts to handle when you change
spindle speeds! Just a twist of the
accurately-calibrated variable speed control
lets you choose speed instantly while
machine runs.

Speed ranges from 135 RPM (14.14
rad/s) to 1350 RPM (141.37 rad/s) with
1200 RPM (125.66 rad/s) motor...and
200 RPM (20.94 rad/s) to 2000 RPM
(209.44 rad/s) increase drilling accuracy
and bit life.

**FIVE SPEED MODEL**
with Exclusive Counter-Shaft Drive

Utilizing an inter-pulley drive concept,
this five-speed model offers the widest
range of speeds available today. The
combination of ultra-slow speed (100
RPM with 900 RPM motor (10.47 rad/s
with 94.25 rad/s)) to high speed (1500
RPM with 1800 RPM motor (178.08 rad/
s with 188.50 rad/s)) offers a flexibility
of speed ranges previously unavailable
for complicated multiple spindle produc-
tion lineups.

**Time Saving, Variable Speed**
**POWER FEED**
The variable speed mechanical
feed unit now available fea-
turing infinitely variable feed
speeds from .004” (.102 mm) to
.012” (.30 mm) per-spindle-revo-
olution! Speed is adjusted with
convenient handle on feed
housing...easy-to-check,
eye-level speed indicator. Feed
rate is maintained for all spindle
speeds. Drills to any desired
depth, controlled by limit-
switch on depth-stop indicator.
Part No. 2192013.

**Extra Heavy 4” (101.60 mm)**
Column is 1/2” (12.70 mm) thick
precision-ground steel, assuring
rigid top and bottom support for
heavy duty, cast iron head
assembly. Available lengths 42”
(1066.80 mm) (standard bench
model), 66” (1676.40 mm)
(standard floor model).

**COOLANT PUMP**
**Cuts Production Costs**
Centrifugal action... delivers large volume
of liquid at low pressure...seals and bear-
ings above liquid...Flow may be controlled
or shut off without damage to motor...No
priming needed...Coolant Pump complete
with 115 V, 60 Cycle, AC, 1800 RPM (188.50
rad/s) motor. Coolant parts assembly: nozzle,
valve, column mounting clamp and flexible
hose, coolant piping and table clamps.

---

Pump and Tank — Part No. 616002
Coolant Parts Assembly — Part No. 2391010
Model 1200
20" Drill Press

Advanced design, rugged construction and big capacity combine to make the Powermatic 20" Drill Press a versatile performance-leader for the heaviest work loads. Utilizing optional accessories, specialized units for every production requirement can be easily developed in multiple spindles or single units.

Easily movable, units can be quickly shifted to meet changing production line requirements. Low investment and maintenance costs bring giant savings to industrial plants, schools, metal working, pattern and maintenance shops for all types.

Increase Production . . . Raise Efficiency with Multiple Spindle or Large Table Drill Presses

Variable Speed Drive—This "Powermatic Pioneered" drive features 10 to 1 V/S pulleys and a unique countershaft drive for slow speed non-slip drive.

Five Speed Drive features the same countershaft drive of the variable speed head. The ideal machine for drill-tap operations.

Table-Raising Mechanism is fast and accurate . . . crank-operated utilizing worm gear. Part No. 2797012.

6 Spline Spindle of carbon steel is mounted in four heavy-duty sealed ball bearings to absorb both radial and vertical thrust. Standard spindle taper is #3 Morse.

Micrometer—Type depth gauge assures depth accuracy with precision, eye-level calibrations. Easy to set, easy to see!

Safety Control Switch is front-mounted for operator convenience. Guarded push-button design helps prevent accidental starts.
HOW TO ORDER MULTIPLE SPINDLE FLOOR AND BENCH MODELS

<table>
<thead>
<tr>
<th>SPEED AND MOTOR SPECIFICATIONS</th>
<th>Floor Model Tilting Table</th>
<th>Floor Model Production Table</th>
<th>Bench Model Production Table</th>
<th>Two Spindle</th>
<th>Three Spindle</th>
<th>Four Spindle</th>
<th>Six Spindle</th>
<th>Eight Spindle</th>
</tr>
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<tbody>
<tr>
<td>Variable</td>
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<td>120V030</td>
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<td>120V050</td>
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<td>1-1/2 HP</td>
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</tbody>
</table>

NOTE: ALL MULTIPLE SPINDLE MODELS INCLUDE HEAD RAISING MECHANISMS AND LEGS. V/S MACHINES PRICED LESS MOTOR FOR MOTOR EXCHANGE PURPOSES—NOT AVAILABLE LESS MOTOR.

MULTIPLE SPINDLE T-SLOTTED TABLE DRILL PRESSES

<table>
<thead>
<tr>
<th>STANDARD EQUIPMENT</th>
<th>Two Spindle</th>
<th>Three Spindle</th>
<th>Four Spindle</th>
<th>Six Spindle</th>
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</thead>
<tbody>
<tr>
<td>T-Slotted Tables, Less Motor and Controls</td>
<td>Variable 120V050 1270 lbs (576.9 kg)</td>
<td>Variable 120V050 1240 lbs (562.3 kg)</td>
<td>Variable 120V050 2040 lbs (925.0 kg)</td>
<td>Variable 120V050 2330 lbs (1067.2 kg)</td>
<td>Variable 120V050 3335 lbs (1512.4 kg)</td>
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<td>Step Pulley</td>
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</tbody>
</table>

PRICE IS RIGHT

1203780 Model 1200 Drill Press, variable speed, floor model complete with production table, 1½ HP, 3 PH, 1800 RPM motor and manual switch. 230 volt only, please.

1203781 Model 1200 Drill Press, variable speed, floor model complete with production table, 1½ HP, 3 Phase, 1200 RPM motor and manual switch. 230 volt only, please.

HEAD ASSEMBLIES

1200010 Head Assembly, hand feed, variable speed, belt, pulleys. Less: Motor, switch and head raising mechanism. Wt. 370 lbs (167.8 kg).

1200260 Head Assembly, hand feed, 5-speed, belt and pulleys. Less: Motor, switch and head raising mechanism. Wt. 340 lbs (154.2 kg).

MOTORS

6470912 1 HP (.746 kw), 60 Hz, 1200 RPM (125.66 rad/s), 115/230v, TEFC, 145T frame.

6471301 1½ HP, (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, 145T frame.

3 Phase

6470901 1 HP (7.46 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v, TEFC, 143T frame.

6471026 1 HP (7.46 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 143T frame.

6471027 1 HP (7.46 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 143T frame.

6471206 1-1/2 HP (1.119 kw), 60 Hz, 1200 RPM (125.66 rad/s), 200v, TEFC, 182T frame.

3 Phase, 2-Speed

6473012 2 & 1 HP (1.492 & .746 kw) 60 Hz, 1800 & 900 RPM (188.50 & 94.25 rad/s), 230/460v, O.D.P. 145T frame.

CONTROLS

2398178 Magnetic Controls, 115/230v.

2398183 Switch, 115/230v.

2398942 Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

**2398171 Magnetic Reverse Starter, Pushbutton w/limit switch.


**2398174 Magnetic Controls, 200/230/460/575 v., w/24v transformer.

2398180 Magnetic Controls, 200/230/460/575 v.

2398182 Switch, 200/230/460/575 v.

2398230 JIC Controls, 200/230/460/575 v.

2398428 Multiple Speed, 2-speed switch, 200/230/460/575v.

**2398506 Magnetic Reverse Starter, w/3 station pushbutton, w/o limit switch, 200/230/460/575v.

Special Controls for High Reversing Motors

**2398171 Magnetic Reverse Starter, push button, w/limit switches, 200/230/460/575 v.

++ 2398478 Magnetic Rev. w/trans. 200/230/460/575 v. w/o limit switches.

6821137 Reverse limit switch, (2 required).

9100002 Conduct in lieu of standard wiring.

*May be specified with 110v transformer.

+ Does not include limit switches.

** Reversing controls not recommended for variable speed models.

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Model 1200
20” Drill Press

OPTIONAL ACCESSORIES

2192013 Mechanical Feed, Wt. 80 lbs. (36.3 kg).
2212006 Flange, with screws for mounting column on table. Wt. 15 lbs (6.8 kg).
2250119 Guard, hand feed drill presses.
2250125 Guard, power feed drill press.
2277005 Head raising mechanism. Wt. 20 lbs. (9.1 kg).
2383001 0” to 1/2” (12.70 mm) chuck with adapter for No. 3 Morse Taper.
2391010 Coolant Assembly for 1-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2391011 Coolant Assembly for 2-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2391012 Coolant Assembly for 3-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2391013 Coolant Assembly for 4-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly.
2423003 Steel Legs for mounting production tables. Height 27” (685.80 mm) (each) Wt. 55 lbs. (24.9 kg).
2423008 Middle leg (6 & 8 spindle table).
2423009 Center post (4 spd. table).
2797018 Production table 24” x 121” (609.60 mm x 3073.40 mm), ground surface for six spindles, 3 legs required. Wt. 1240 lbs. (562.3 kg).
2797026 Production table with parallel T-slots, 15⅜” x 18” (393.70 mm x 457.20 mm) ground surface. Wt. 119 lbs. (54.0 kg).
2797028 Tilting table 16” x 18” (406.40 mm x 457.20 mm), ground surface, column bracket and tilting scale. Less: Raising mechanism. Wt. 101 lbs. (45.8 kg).
2797127 6 spindle T-slot table. 3 legs required.
3096039 Safety collar.
3098004 Column, 4” x 66” (101.60 mm x 1676.40 mm). (Standard on floor models). Wt. 103 lbs. (46.7 kg).
3098005 Column, 4” x 42” (101.60 mm x 1066.80 mm). (Standard on bench models). Wt. 66 lbs. (29.9 kg).
3098007 Column, 4” x 78” (101.60mm x 1676.40mm) Wt. 122 lbs. (55.3 kg).
3694006 Leveling screw (2 required per leg).
3797012 Center section, 24” x 42” (609.60 mm x 1016.00 mm), drilled and tapped for 2 spindles, to make 6 spindle table. Wt. 335 lbs. (151.9 kg).
3797028 Production Base Bench Model, 18” x 25” (457.20 mm x 635.00 mm) ground surface. Wt. 121 lbs. (167.8 kg) 2 legs required.
3797035 Production Table 24” x 40” (609.60 mm x 1016.00 mm), ground surface for 2 spindles. Wt. 370 lbs. (378.7 kg) 2 legs required.
3797064 2 Spindle T-Slot Table
3797065 4 Spindle T-Slot Table
6023008 # 3 M.T. to #2 M.T. sleeve
6160002 Coolant Pump and Tank. Wt. 37 lbs. (16.8 kg)
6448005 Adjustable Work Lamp. Wt. 10 oz. (3 kg)
6856001 Drill Press Vise, 4½” (114.30 mm) capacity. Wt. 12 lbs., 5 oz. (5.6 kg)
6856002 Drill Press Vise, tilting.

SPECIFICATIONS

Spindle Speeds:
Variable Speed Model
High Speed, 1800 RPM (188.50 rad/s) Motor………………200-2000 RPM (20.94 - 209.44 rad/s)
Slow Speed, 1200 RPM (125.66 rad/s) Motor………………135 - 1350 RPM (14.14 - 141.37 rad/s)
2-Speed, 1800/900 RPM (188.50/94.25 rad/s)……100 RPM (10.47 rad/s), 2000 RPM (209.44 rad/s)
Step Pulley Model
1800 RPM (188.50 rad/s) Motor………………240 RPM (25.13 rad/s), 380 RPM (39.79 rad/s), 600 RPM (62.83 rad/s), 900 RPM (94.25 rad/s), 1500 RPM (157.08 rad/s)
1200 HPM (125.86 rad/s) Motor………………160 RPM (16.76 rad/s), 260 RPM (27.23 rad/s), 400 RPM (41.89 rad/s), 610 RPM (63.88 rad/s), 1000 RPM (104.72 rad/s)
Quill Diameter …………………2¼” (59.85 mm)
Spindle …………………#3 M.T., 6 spline 1½"i x 18" (342.90 mm x 457.20 mm)
Base Working Surface …………………13½ x 18" (342.90 mm x 457.20 mm)
Stroke …………………6” (152.40 mm)
Dimensions:
Height, Floor Model (max.) …………………75” (127.00 mm)
Height Bench Model (max.) …………………51” (1295.40 mm)
Front to rear …………………33½” (859.90 mm)
Width tilting table …………………18” (457.20 mm)
Width production table …………………22” (558.80 mm)
Working surface, prod. table …………………15½” x 18” (393.70 mm x 457.20 mm)
Column length, floor model …………………66” (1676.40 mm)
Column length, bench model …………………42” (1066.80 mm)
Column Diameter …………………4” x ½” (101.60 mm x 12.70 mm) wall thick
Largest dia. hole in steel, 1 HP (.746 kw) …………………3¼” (19.05 mm)
Largest dia. hole in cast iron, 1 HP (.746 kw) …………………1” (25.4 mm)
Largest dia. hole in steel, 1½ HP (1.119 kw) …………………7½” (22.22 mm)
Largest dia. hole in cast iron, 1½ HP (1.119 kw) 1½” (25.58 mm)
Spindle Nose to: TABLE BASE
Floor Model …………………35 ¾” 45 ½”
Bench Model …………………25 ¼”
Multiple Spindle T-slots …………………8 ½” Centers
T-Slots use standard T-bolts …………………½”
Spindle Nose to Production Table …………………25 ¼”
Chucking to table …………………31”
Chucking to base …………………41”
Chucking to Production table …………………21”
T-Slots …………………¾” top 1” bottom
All machines performance tested before shipment.

**Model 1200 Drill Press Specials**

**EQUIP WITH THE REST** ... for the maximum PRODUCTIVITY, minimum DOWNTIME, unexcelled PERFORMANCE and unequaled PRECISION.

Powermatic 20-inch Drill Presses have been developed over a twenty-five year span, by dedicated people who devote time and effort to the details that make fine products. Just a few of those important reasons for equipping with Powermatic Drill Presses are: the additional weight, the rugged construction, the carefully machined spindles, the sealed ball bearings, the wide variety of tables, the variety of columns, the large number of motors and controls and the care and skill which comes with twenty-five years of manufacturing experience.

Users everywhere, in all applications, depend on Powermatic.

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**MODEL LISTINGS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>120030</td>
<td>1 spindle, production table, step pulley. Less: Motor and controls.</td>
</tr>
<tr>
<td>1200330</td>
<td>1 Spindle, production table, variable speed. Less: Motor and Controls.</td>
</tr>
<tr>
<td>1200340</td>
<td>1 Spindle. Production table with T-Slots. Step Speed.</td>
</tr>
<tr>
<td>1200350</td>
<td>1 Spindle. Production Table with T-Slots, Variable Speed. Less: Motor and Controls.</td>
</tr>
</tbody>
</table>

Note: See pages 53 and 54 for motors and controls.

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**SPECIFICATIONS**

- **Spindle Speeds:**
  - Variable Speed Model
    - High Speed: 1800 RPM (188.50 rad/s) Motor
    - Slow Speed: 1200 RPM (125.66 rad/s) Motor
    - 2-Speed: 100 - 1000 RPM (10.47 - 104.72 rad/s) and 200 - 2000 RPM (20.94 - 209.44 rad/s)

- **Step Pulley Model**
  - with 1800 RPM (188.50 rad/s) Motor
    - High Speed: 240 RPM (25.13 rad/s), 380 RPM (38.79 rad/s), 600 RPM (62.83 rad/s), 800 RPM (94.25 rad/s), 1500 RPM (157.08 rad/s)
    - with 1200 RPM (125.66 rad/s) Motor

- **Specifications**
  - Slow Speed: 160 RPM (16.76 rad/s), 260 RPM (27.23 rad/s), 400 RPM (41.89 rad/s), 610 RPM (63.88 rad/s), 1000 RPM (104.72 rad/s)
  - Quill Diameter: 2 3/4" (69.85 mm)
  - Stroke: 6" (152.40 mm)
  - Column Diameter: 4" (101.60 mm)
  - Column Wall Thickness: 1/2" (12.70 mm)
  - Column Length (Standard): 42" (1066.80 mm)
  - Largest dia. hole in cast iron: 1 1/4" (28.58 mm)
  - Largest dia. hole in steel: 7/8" (22.22 mm)
  - Table Working Surface: 24" x 40" (609.60 mm x 1016.00 mm)
  - Max. Distance, Spindle Nose to Table (with standard column): 25 1/4" (641.35 mm)
  - Weight, Net: 746 lbs. (338.3 kg)
All Machines Performance Tested Before Shipment

HEAVIER... SMOOTHER RUNNING

Leading the field in performance... rugged, versatile, dependable... POWERMATIC Model 141 Band Saw, through precise engineering, offers the outstanding performance required for every type of band sawing operation. The advanced design of the rugged one-piece, box type frame casting makes it the heaviest 14" Band Saw available. The weight, vibrationless operation, and perfect alignment gives the smoothest performance ever, and insures years of trouble free operation.

Rip fence—optional for precision ripping and resawing.

Table trunnion—heavy duty, widely spaced table trunnion assures positive lock and maximum table rigidity at any degree of tilt. Large, easy to read tilt scale located at the front of the trunnion.

Side Takeout Slot for band saw blade eliminates the necessity of split or narrow trunnions. Tapered pin keeps table surface flat.

Eye level blade tension scale shows correct tension for different blade widths. Adjustable from front of machine.

Massive box-type casting houses dynamically balanced wheel for smooth operation.

Swivel type table stop. Positive table stop at 90 degrees is easily moved to a 15 degree left tilt.

Ball bearing side and backup bearings reduce blade fatigue as much as 50% on all non-ferrous materials.
FLEXIBILITY, SAFETY AND ADVANCED FEATURES

FEATURES

FRAME: Massive, box-type, one piece, cast iron frame, ribbed and cross ribbed for maximum rigidity and trouble-free service.

WHEELS: Heavy duty cast iron upper and lower wheels, precision machined and dynamically balanced for smooth running. Crowned rubber tires provide positive grip preventing blade slippage.

TABLE: Huge 15" x 15" (381.00 mm x 381.00 mm) cast iron table, ground for true accuracy and equipped with side take-out to permit use of a one piece rip-fence guide rail. Tilts 45 degrees right - 15 degrees left, with positive stop at 90 degrees.

TRUNNION: Wide spaced cast iron and steel trunnion assures positive locking of table. An easy to read "sight" scale is mounted on front of trunnion for quick, positive tilt adjustment.

SAW GUIDES: Top saw guide is fitted with back-up ball bearings and ball bearing side guides. Lower guide utilizes back-up ball bearing and 45 degree hardened steel side guides. Lower guide is just below table surface for maximum blade support.

GUARDS: All moving parts are completely guarded. Only the operating portion of the blade is exposed. Large deep drawn steel doors enclose upper and lower wheels.

SAW BLADE ADJUSTMENT: Blade tension is adjusted with conveniently located handwheel, spring loaded to absorb shock and maintain equal tension of the blade. A tension scale, located at eye-level, indicates proper blade tension.

DRIVE: Non-slip V-belt for utmost efficiency in any work load range. Drive, motor, and "V" belt are completely enclosed in a rugged steel floor stand.

STANDARD EQUIPMENT

Model 141 Band Saw: 1/4" (6.35 mm) blade, ball bearing guides, wheel guards, blade guards, arbor pulley, motor pulley, V-belt and exhaust chute.

BASIC MACHINE

1410010 14" Band Saw, complete with all standard equipment. Less: Motor, controls, stand, motor pulley and V-belt.

1 Phase
6470700 3/4 HP (.560 kw), 60 Hz, 1800 RPM (198.50 rad/s), 115/230v, TEFC, 56 frame.

2398114 Switch, 115/230v.
2398336 Magnetic Controls, 115/230v.
*2398487 Magnetic Controls, 115/230v, w/24 transformer.

3 Phase
2398115 Switch, 200/230/460/575v.
2028073 Circle Cutting attachment
2195015 Rip Fence, wt. 8 lbs. (3.6 kg)
2250087 Guard (retrofit) wt. 4 oz. (.2 kg)
2253040 Lower guide assembly, wt. 3 lbs. (1.4 kg)
2253060 Upper guide assembly, wt. 3 lbs. (1.4 kg)
2471010 Mitre gauge, wt. 3/4 lbs. (1.6 kg)
2759064 Floor stand, wt. 5 lbs. (2.38 kg)

141U040 Model 141 Band Saw complete with all standard equipment, plus stand, 3/4 HP, 1 Phase motor, work lamp, and manual switch. 115 volt only please.
141U060 Model 141 band saw complete with all standard equipment, plus stand, 3/4 HP, 3 phase motor, work lamp, and manual switch. 230 volt only please.

MOTORS

3 Phase
6470707 3/4 Hp (.560 kw), 60 Hz, 1800 RPM (198.50 rad/s), 230/460, TEFC, 56 frame.
6470712 3/4 Hp (.560 kw), 60 Hz, 1800 RPM (198.50 rad/s), 200v, TEFC, 56 frame.

CONTROLS

2398118 Magnetic Controls, 200/230/460/575v.
2398230 JIC Controls, 200/230/460/575v.
*2398435 Magnetic Controls, 200/230/460/575v, w/24v, transformer.

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

6080002 1/4" (6.35 mm) wide band saw blade, wt. 6 oz. (.2 kg)
6080003 3/8" (9.52 mm) wide band saw blade, wt. 6 oz. (.2 kg)
6080004 1/2" (12.70 mm) wide band saw blade, wt. 8 oz. (.23 kg)
6080005 3/4" (19.05 mm) wide band saw blade, wt. 12 oz. (.3 kg)
6448005 Work light, wt. 8 oz. (.2 kg)

NOTE: See page 68 for blade welders.

SPECIFICATIONS

Capacity: Blade to column distance 14" (355.60 mm)
Under guide 1/4" (6.10 mm)
Blade Speed 3000 SFM (15.24 m/s)
Overall Height (on stand) 71"/8" (2422.45 mm)
Width 25" (647.70 mm)
Front to Back 13/16" (336.55 mm)
Table Size 15" x 15" (381.00 mm x 381.00 mm)
Table height from floor 42" (1066.80 mm)
Table tilt 45 degrees right, 15 degrees left
Blade width, maximum 3/4" (19.05 mm)
Blade length 96" - 94" (2438.40 mm - 2387.60 mm)
Weight, crated, less stand 225 lbs (102.0 kg)
Weight, crated, with stand and motor 355 lbs (161.0 kg)
Export, boxed, with stand and motor 39.9 cu ft. (1.129 m³)
.450 lbs. (204.1 kg) App.

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Model 143
14" Combination
Band Saw

All machines performance tested before shipment.

RUGGED . . . BIG CAPACITY . . . A VERSATILE PERFORMANCE LEADER . . .

Combining careful design, rugged cast iron construction and big capacity, the Powermatic Model 143 combination wood and metal Band Saw is equally adaptable to the machine shop, tool room, foundry, pattern or school shop, or wherever exacting performance is required. Loaded with quality features, the Model 143 Band Saw is the ultimate for production needs . . . and it's pricing and features make it truly a good value.

MACHINE SHOWN WITH STANDARD EXHAUST CHUTE

Side Takeout Slot for band saw blade eliminates necessity of split or narrow trunnions. Tapered pin keeps table surface flat.

Belt-Tension control. Swing-away action provides quick, simple belt tension control. Lever located outside of belt housing permits belt adjustment in a minimum of time.

Heavy Duty Precision Gear Train is constantly bathed in non-foaming oil. All shafts are mounted in sealed ball bearings assuring long life and trouble-free operation.

Saw Guides. Rugged, dependable hardened steel guides with ball bearing back-up guarantee accuracy. Lower angular guide places guide just below table surface for maximum blade control.

Blade Guard. Extends the protected blade area to the work piece, minimizing blade exposure to workable tolerances.

Eye level blade tension scale shows correct tension for different blade widths. Adjustable from front of machine.

Welder. Blade welder and grinder for quick blade repair and installation. Portable only.

www.OzarkToolManuals.com
FEATURES

TABLE: Ground to precision tolerance. Mounted on heavy-duty trunnion to tilt 45 degrees right, 15 degrees left. Front edge machined and drilled for mounting rip fence.
WHEELS: Made of finest machined castings, dynamically balanced and fitted with vulcanized tires. Upper and lower wheels run in lubricated-for-life ball bearings.
DRIVE: Belt driven two speed, powered by 1800 RPM (188.50 rad/s) motor mounted on adjustable motor base.
BRAKE: Standard with manually operated foot brake. An exclusive brake interlock with switch is available as an option for use with magnetic controls.

SAW BLADE ADJUSTMENT: Conveniently located handwheel for blade tension adjustment. Spring mechanism absorbs shock and maintains uniform tension on the blade.
SAW GUIDES: Top and bottom saw guides are ball bearing to assure minimum friction and increased blade life.
CUTTING SPEEDS: Two speed drive pulley provides cutting speeds of 2000 SFM and 4500 SFM.

STANDARD EQUIPMENT

Model 81 Band Saw: Blade and wheel guards, ½" (9.52 mm) blade, foot brake, dust chute, blade tension control, ball bearing blade guides, counterbalanced guide arm, motor mount bracket, driven pulley, motor pulley, and belts. Listed: motor and controls.

BASIC MACHINE

1810010 20" Band Saw, complete with all standard equipment. Listed: motor and controls.

1810030 Model 81 Band Saw complete with all standard equipment, plus 1" blade capacity, 2 HP, 3 phase motor, magnetic controls and work lamp. 230 volt only, please.

PRICE IS RIGHT

1810040 Model 81 Band Saw complete with all standard equipment, plus 1" blade capacity, 1½ HP, 1 phase motor, magnetic controls and work lamp. 230 volt only, please.

MOTORS

1 Phase

6471301 1½ HP (1,119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v TEFC, 145T frame.
6471627 2 HP (1,492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230v, TEFC, special 182T frame.

3 Phase

6471026 1 HP (746 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 143T frame.
6471027 1 HP (746 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 143T frame.

3 Phase

6471021 Magnetic Controls, 200/230/460/575v.
2398011 Magnetic Controls, 200/230/460/575v, w/24 transformer.
2398156 Switch, 200/230/460/575v.
9100002 Condut in lieu of standard wiring.

OPTIONAL EQUIPMENT

6U8U14 ¼" (6.35 mm) wide Band Saw blade, wt. 0 oz. (.2 kg).
6U8U15 ½" (9.52 mm) wide Band Saw blade, wt. 8 oz. (.2 kg).
6U8U16 ¾" (12.70 mm) wide Band Saw blade, wt. 8 oz. (.2 kg).
6U8U17 1½" (19.05 mm) wide Band Saw blade, wt. 8 oz. (.2 kg).
6339002 Carter Guide Set (2 required).
6149003 Flexible Work Light, wt. 10 oz. (.3 kg).

NOTE: See page 68 for blade welders.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Table size</th>
<th>3&quot; x 24&quot; x 24&quot; (76.20 mm x 609.60 mm x 609.60 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table tilt</td>
<td>45 degrees right, 15 degrees left</td>
</tr>
<tr>
<td>Wheel size</td>
<td>11¼&quot; x 20&quot; (291.75 mm x 508.00 mm)</td>
</tr>
<tr>
<td>Blade to column distance</td>
<td>10¼&quot; (601.60 mm)</td>
</tr>
<tr>
<td>Maximum depth of cut under guide</td>
<td>12&quot; (304.80 mm) and 24&quot; (609.60 mm)</td>
</tr>
<tr>
<td>Maximum width blade recommended</td>
<td>1&quot; (25.4 mm)</td>
</tr>
<tr>
<td>Maximum adjustment of blade</td>
<td>1&quot; (25.4 mm)</td>
</tr>
<tr>
<td>Length of blade</td>
<td>149&quot; - 152&quot; (3784.60 mm - 3860.80 mm)</td>
</tr>
<tr>
<td>Wheel speeds</td>
<td>900 RPM (54.25 rad/s), 4500 SFM (22.000 m/s)</td>
</tr>
<tr>
<td>Motor power recommended, (V- belt drive)</td>
<td>76&quot; (1930.40 mm)</td>
</tr>
<tr>
<td>Table height from floor</td>
<td>41½&quot; (1054.10 mm)</td>
</tr>
<tr>
<td>Weight, domestic crate, with motor</td>
<td>895 lbs. (405.9 kg) app.</td>
</tr>
<tr>
<td>Weight, export boxed, with motor (84.4 cu ft (2.67 m³)</td>
<td>1090 lbs (494.3 kg)</td>
</tr>
</tbody>
</table>
Model 87
20" Metal Cutting
Band Saw

All machines performance tested before shipment.

CHECK THESE
IMPORTANT EXTRA
VALUE FEATURES

CHECK SPEED INSTANTLY . . .
CHANGE SPEED INSTANTLY . . .
FROM 47 TO 5200 SFM (.239 m/s to 26.416 m/s)

Match the speed to the material to be cut. . . instantly! No time-wasting speed-change-over necessary. Just dial the correct speed and get a smooth cut every time.

Rugged, precision construction assures years and years of dependable performance in cutting all types of ferrous and non-ferrous metals . . . wood, plastic and similar materials.

A special two-speed transmission is powered by enclosed helical gears running in a continuous bath of oil. A self-adjusting torque limiter prevents overloading.

CHECK THESE IMPORTANT EXTRA VALUE FEATURES

Heavy Duty 6" (152.40 mm) single-action vacuum for maximum rigidity. Adjust table 45 degrees right, 15 degrees left.

Upper and lower guide blocks with M-2 steel faced back-up bearings are standard with the Model 87. One set of ¾" (9.52 mm) inserts only is supplied as original equipment.

Table-insert stock guide is essential for many high production operations. Standard equipment.

Quick-set speed selector mechanism, transmission, motor and drive mechanism are completely enclosed in the base.

Blade Guard. This standard heavy duty plastic guard extends the area of blade protection to the top of the work piece.

Convenient, removable chip pan is located just below lower wheel.

Counter-balanced guide bar makes guide and blade adjustment safe and simple. Note telescoping guard enclosing blade above guide.

Front-mounted control center within easy reach activates entire variable speed range. No belts to change . . . hand-wheel controlled speed.
All machines performance tested before shipment.

Model 87
20" Metal Cutting Band Saw

EXCLUSIVE ...

QUIK - SET

SPEED SELECTOR
(STANDARD EQUIPMENT)

Just a quick turn of the convenient hand-wheel and you accurately dial any speed from 47 SFM (.239 m/s) to 5200 SFM (26.416 m/s). Highly important when stock changes are frequent and extreme accuracy must be maintained. Exclusive in the Powermatic price range!

EXTRA SAFETY
—streamlined in design with all moving parts guarded. Blade exposed only from guide to table!

PRECISION ENGINEERED
—combining practical shop requirements with the finest operating features.

RUGGED CONSTRUCTION
—built of tough, heavy-duty steel plate. Sturdy reinforcement at all points of stress assures maximum rigidity, accuracy and dependability even under the most extreme operating conditions.

SPECIFICATIONS

Blade to column guard distance ............ 19¾" (501.65 mm)
Maximum depth of cut under guide ........ 12" (304.80 mm)
Table size ................................ 3" x 24" x 24" (76.20 mm x 609.60 mm x 609.60 mm)
Wheel size ................................ 20" x 1¼" (508.00 mm x 31.75 mm)
Table tilt, right ............................ 45 degrees
Table tilt, left .............................. 15 degrees
Blade width ................................ ¾" (9.52 mm)
(Usable Maximum 1" (25.4 mm) Minimum ¼" (1.59 mm)

Blade length ...................... 140" (3784.00 mm) to 162" (4114.00 mm)
Blade speed ...................... 47 SFM (239 m/s) to 5200 SFM (26.416 m/s)
Overall height .................. 76" (1930.40 mm)
Floor space required ........... 39" by 24" (990.60 mm x 609.60 mm)
Weight, net, less trunion ........ 1000 lbs (453.5 kg)
Weight, domestic crated ........ 1300 lbs (589.6 kg)
Weight, export boxed .......... 1560 lbs (707.5 kg)
Model 87 20" Metal Cutting Band Saw

FEATURES

FRAME: Rugged steel construction, braced for maximum rigidity—no die castings.

TABLE: 24" x 24" (609.60 mm x 609.60 mm) precision ground grey iron, with 3" (76.20 mm) machined flange, removable table insert. Tilts 45 degrees right, 15 degrees left on 6" (152.40 mm) wide grey-iron trunnion assembly with single lock and positive 90 degree stop.

WHEELS: Dynamically balanced cast iron wheels run in lubricated-for-life ball bearings.

GUARDS: Completely enclosed moving parts; counter-balanced, telescoping upper blade guard.

BLADE ADJUSTMENT: Convenient handwheel adjusts blade tension. Visible tension scale assures proper adjustment. Spring mechanism absorbs shock, maintains uniform tension. Optional chip breaker furnishes air jet in working area.

GUIDES: 45 degree angle guides, carbo nitro powderd iron inserts correspond to blade size in use. Heat treated steel backup ring.

DRIVE: Infinitely variable 47 to 5200 SFM (2.39 m/s to 26.416 m/s), by variable speed dial. 2 speed oil bath transmission.

STANDARD EQUIPMENT

Blade and wheel guards, 3/4" (1.905 mm) blade, chip pan, blade tension control, 45 degree angle guide with one set only 3/8" (9.52 mm) inserts. Counter balanced guide arm, T-slotted table, motor mount bracket, driven pulley, motor pulley and belt. Less: motor and controls.

BASIC MACHINES

1870150 Model 87 Band Saw complete with all standard equipment. Less: motor and controls.

1870180 Special high neck Model 87 Band Saw, 24" under

1870183 Model 87 Band Saw complete with all standard equipment plus 1" blade capacity, 3 HP 3 phase motor, magnetic control, blade shears and work lamp. 230 volt only, please.

PRICE IS RIGHT

1 Phase

6471301 1 1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, 145T frame.

6471627 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230v, TEFC, Special 182T frame.

3 Phase

6471304 1 1/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame.

6471916 3 HP (2.328 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, special 182T frame.

MOTORS

2398011 Magnetic Controls, 200/230/460 v.

*2398015 Magnetic controls, 200/230/460 v, w/24v transformer.

2398156 Switch, 200/230/460/575 v.

9100002 Conduit in lieu of standard wiring.

*May be specified with 110v transformers.

OPTIONS ACCESSORIES

2846001 1/4" (6.35 mm) welder with grinder, 155 v, wt. 55 lbs. (24.9 kg).

2846002 1" (25.40 mm) welder with grinder, 230v, wt. 55 lbs. (24.9 kg).

2846006 1" (25.40 mm) welder with grinder, 460v, wt. 55 lbs. (24.9 kg).

2846007 1" (25.40 mm) welder with grinder, 575v, wt. 50 lbs. (24.9 kg).

3328040 Table insert, wt. 2 lbs. (9 kg).

3328216 1/4" (6.35 mm) guide inserts, (4 required).

3328217 1/4" (6.35 mm) guide inserts, (4 required).

3328218 3/8" (9.52 mm) guide inserts, (4 required).

3328219 3/8" (12.70 mm) guide inserts, (4 required).

3328220 1/4" (19.05 mm) guide inserts, (4 required).

3328221 1/4" (25.4 mm) guide inserts (4 required).

6080020 1/4" (6.35 mm) band saw blade.

6080021 1/4" (9.52 mm) band saw blade.

6080022 1/4" (12.70 mm) band saw blade.

6080103 1/4" (19.05 mm) band saw blade.
OPTIONAL ACCESSORIES FOR ADDED FLEXIBILITY

Precision Performance, Extra Safety On . . . Every Job

Screw Feed Attachment, fitted to table insert, offers maximum in feed control and safety for cutting smaller stock. Part No. . . . 2266001.

New Circle Cutting Attachment. Retrofit on any band saw cuts from 2" to 6" diameters. Also great for arcs. Part No. . . . . . . 2028037.

Exhaust Chute. This optional exhaust chute scavenges most of the dust and particles from inside the saw, reducing clean-out periods and improving saw performance. Optional equipment. Part No. . . . 2397031.

Blade Welder and grinder is front mounted for quick accurate blade repair and installation. See page 68 for full information. Part Numbers . . . 2846001 (115 volt); 2846002 (230 volt); 2846006 (460 volt); 2846007 (575 volts).

Flex mount work lamp keeps work area well lighted. Move easily to any position. Flexible chip blower is also available. Part No. . . . 2400001.

Rip Fence securely mounted quickly and easily. Part No. . . . 2195001.

Engineered Powermatic accessories are available to cover every band saw operation, faster, more accurately and with safety. Powermatic time and money saving accessories increase the flexibility of the Model 87 Band Saw by meeting all manual band saw job requirements.

AUTOMATIC POWER FEED available (OPTIONAL EQUIPMENT) Part No. 2028003.

Tremendous time and labor saver on production line operations! Stock moves perfectly along table-insert slot at predetermined rate of feed. Handy, foot-controlled release.
Model 88
20" Band Saw

A HIGH PERFORMANCE LABOR AND
TIMESAVING HYDRAULIC BAND SAW
AT A SURPRISINGLY LOW PRICE.

In addition to the rigidity and extra strength standard with all Powermatic band saws, we have improved on this feature with . . . a unitized steel frame which minimizes deflection . . . added a two-speed transmission powered by helical gears running in a continuous bath of oil. This two speed transmission also features a self adjusting "torque limiter" which prevents machine overloading. A clutch slips in case of overload without shearing gears.

A hydraulic powered table adds to the utility and versatility of this machine. The precision ground coolant trough table feeds effortlessly on precision ground rails powered by a hydraulic cylinder. Longer blade life and better operator performance are assured as the machine does all the work.

MIST-FLOOD COOLANT system is adjustable from the finest mist to a full flood for all types of sawing.

HEAVY-DUTY upper and lower guide blocks, a full set of 45 degrees sintered steel guide blocks and a M2 high speed steel load backup bearing.

HYDRAULIC TABLE CONTROL is conveniently mounted to operator's left. Feed speed is fingertip dial controlled.

QUIK-SET SPEED selector mechanism, transmission, motor and drive mechanism are completely enclosed in the base.

A ONE-PIECE upper wheel housing simplifies guidepost alignment and strengthens the entire assembly.

REMOVABLE CHIP PAN is fitted with filter screens to keep coolant return chip free.

WORK SQUARING BAR is standard equipment and mounts and locks in heavy table T-slots. An adjustable stop accurately controls length cutoff.

COUNTER BALANCED GUIDE POST prevents bar from falling when loosened for height adjustment.

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All machines performance tested before shipment.

**FEATURES**

Frame: Rugged unitized welded steel construction. Braced for maximum rigidity and minimum deflection with 200 lbs. (136.1 kg) of cutting force.

Table: 24" x 24" (609.60 mm x 609.60 mm) precision ground grey iron, tilt 45 degrees right and 15 degrees left. Coolant trough around entire table.

Wheels: Dynamically balanced cast iron wheels turning on lubricated-for-life ball bearings. New one-piece upper wheel housing simplifies wheel/guide post alignment and increases strength of upper housing.

Guards: Blade guards are attached to the counterbalanced guide post thus automatically adjusting guard position and allowing minimum blade exposure.

Self-Adjusting Torque Limiter: Prevents machine overloading. In case of overload, a clutch slips thus preventing broken gears. The whole unit is readily accessible for maintenance or adjustment.

Hydraulic Feed: The hydraulic system in this band saw is an independent unit, driven directly from the band saw motor. Feed speed and direction (forward, reverse, stop) of the hydraulically powered table is operator controlled. Adjustable positive stop is standard.

Guides: 45 degree angle guides, sintered powdered iron inserts correspond to blade size in use. Heat treated steel backup ring.

Drive: 2-speed transmission with infinitely variable speed control offering 47 to 470 SFM (239 m/s to 2,388 m/s) in low speed, and 520 SFM to 5200 SFM (2,642 m/s to 26,416 m/s) in high speed. Incorporated as standard equipment in this transmission is a Torque Limiter which is self-adjusting and prevents overloading the drive system.

**STANDARD EQUIPMENT**

Model 88 Band Saw: Blade and wheel guards, 1/4" (19.05 mm) blade, 45 degree angle heat treated sintered guides, blade tension control, counterbalanced guide arm, hydraulic table feed, integral hydraulic pump and reservoir, 2-speed transmission, flood and mist coolant system with pump, work squaring bar and work light. Less: Motor and controls.

**BASIC MACHINES**

1880010 20" metal cutting band saw with all standard equipment. Less: motor and controls.

**PRICE IS RIGHT**

1880040 Model 88 Band Saw complete with all standard equipment, plus blade welder, blade shear, 3 HP, 3 phase motor and magnetic controls. 230 volt only, please.

**MOTORS**

6471603 2 HP (1.492 kw), 3 Phase, 1800 RPM (188.50 rad/s), 230/460V, 145T frame.

6471617 2 HP (1.492 kw), 3 Phase, 1800 RPM (188.50 rad/s),

**CONTROLS**

2398520 3 Phase, magnetic controls, with 115v transformer.

9100002 Conduit in lieu of standard wiring.

**OPTIONAL ACCESSORIES**

2028002 Blade filing clamp, wt. 22 oz. (.6 kg).

2028066 Contour cutting attachment.

2028073 Circle cutting attachment, wt. 2 lbs. (.9 kg).

2253068 Lower guides with steel faced back-up bearings. Less: inserts.

2253071 Upper guides with steel faced back-up bearings. Less: inserts.

2253073 90 degrees twist bracket kit.

2397031 Dust chute, wt. 1 lb. (.45 kg).

2403005 Guide insert kit.

2846001 1/4" (12.70 mm) welder, 115v, wt. 55 lbs. (24.9 kg).

2846002 1" (25.40 mm) welder, 230v, wt. 55 lbs. (24.9 kg).

2846006 1" (25.40 mm) welder, 460v, wt. 55 lbs. (24.9 kg).

2846007 1" (25.40 mm) welder, 575v, wt. 55 lbs. (24.9 kg).

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Model 600 Welder

Designed To Accurately Weld Carbon Steel & Bi-Metal Blades

The Model 600 Welder is designed to weld most commonly used blades. Controls and clamping features are the best available for the purpose. The built-in grinder assures a finished blade weld.

- **2846001** Model 600 ½" capacity welder w/grinder, 115v.
- **2846002** Model 600 1" capacity welder w/grinder, 230v.
- **2846006** Model 600 1" capacity welder w/grinder and transformer, 460v.
- **2846007** Model 600 1" capacity welder w/grinder and transformer, 575v.
- **2109001** Blade shear for Model 600.

Capacities of the Model 600 Welder are from ½" through 1" blades. (Note: 115v models are ½" capacity only.) This is the same Model 600 Welder except with case.

- **1990010** Model 600 ½" capacity Welder w/case, 115v.
- **1990020** Model 600 1" capacity welder w/case, 230v.
- **1990030** Model 600 1" capacity welder w/case and transformer, 460v.
- **1990040** Model 600 1" capacity welder w/case and transformer, 575v.
All machines performance tested before shipment.

Model 2100 Pedestal & Bench Grinders

ASSURANCE OF PERFORMANCE
NINE MODELS FOR PRECISION GRINDING

FEATURES

Tool Rests: Easy to adjust and lock at all vertical and lateral angles for full flexibility.

Shafts: Mounted in over-size sealed ball bearings for smooth, dependable performance.

Guards: Heavy-gauge steel construction. Easy to remove for wheel changing.

Spark Shields: For safety and visibility. Easily adjustable to wear of wheels. (These are not eyeshields).

Motor: Totally enclosed for long life and maximum safety. ½ HP (3.73 kw), ⅓ HP (1.80 kw), 1 HP (3.73 kw) and 2 HP (1.492 kw), 1 or 3-phase available.

When ordering, specify voltage.

STANDARD EQUIPMENT

Model 2100 Bench Grinder: Steel guards, 2 spark deflectors, 2 adjustable tool rests, 2 grinding wheels (1 fine, 1 coarse), toggle switch in base and cord. Totally enclosed motor. (As selected from options below.)

STANDARD MACHINES

1210010 Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw), 1 phase, 115 or 230 volt (specify), 1800 RPM (188.50 rad/s) motor.

1210020 Bench Grinder, with all standard equipment and totally enclosed ⅓ HP (.373 kw), 3 phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) motor.

1210030 Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw), 1 phase, 115 or 230 volt (specify), 3600 RPM (376.99 rad/s) motor.

1210040 Bench Grinder, with all standard equipment and totally enclosed ⅓ HP (.373 kw), 3 phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) motor.

1210050 Bench Grinder, with all standard equipment and totally enclosed ⅔ HP (.560 kw), 1 phase, 115 or 230 volt (specify), 3600 RPM (376.99 rad/s) motor.

1210060 Bench Grinder, with all standard equipment and totally enclosed ⅔ HP (.560 kw), 3 phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) motor.

1210070 Bench Grinder, with all standard equipment and totally enclosed 1 HP (.746 kw), 1 phase, 115 or 230 volt (specify), 1800 RPM (188.50 rad/s) motor.

1210080 Bench Grinder, with all standard equipment and totally enclosed 1 HP (.746 kw), 3 phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) motor.

1210100 Bench Grinder with all standard equipment, totally enclosed 2 HP (1.492 kw), 3 phase, 200, 230 or 460 volt (specify). 1800 RPM (188.50 rad/s) motor. (WHEELS NOT INCLUDED)

CONTROLS

1 Phase

2398134 Magnetic Controls, 115/200v.

2398493 Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

2398129 Magnetic Controls, 200/230/460/575v.

2398230 JIC Controls, 200/230/460/575v.

2398497 Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003 Conduit in lieu of Standard Wiring.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Weight</th>
<th>½ HP</th>
<th>⅓ HP</th>
<th>1 HP</th>
<th>2 HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bench</td>
<td>71 lbs.</td>
<td>109 lbs.</td>
<td>140 lbs.</td>
<td>276 lbs.</td>
</tr>
<tr>
<td>Floor</td>
<td>197 lbs.</td>
<td>206 lbs.</td>
<td>250 lbs.</td>
<td>487 lbs.</td>
</tr>
</tbody>
</table>

Note: Eyeshields are not standard equipment.

Optional Accessories:

2568001 Steel Pedestal, complete with Tool Rest and Water Pot for ½, ⅔, 1 HP (.373, .560, .746 kw) grinders, wt. 54 lbs. (24.5 kg).

2568002 Cast Iron Pedestal, complete with Tool Rest and Water Pot, for 2 HP (1.492 kw) grinders. Wt. 100 lbs. (45.4 kg).

6805001 Set of (2) Shatterproof Eyeshields.

6805002 Set of (2) Shatterproof Eyeshields, illuminated type, wt. 2½ lbs. (1.1 kg).

6900013 12 x 2 Course Grinding Wheel.

6900014 12 x 2 Fine Grinding Wheel.

Wheel Diameter:

1210010 and 1210040: 7" x 1" x ½"

1210050 and 1210060: 8" x 1" x ½"

1210070 and 1210080: 10" x 1" x 1½"

1210140: 12" x 2" x 1½"
Model 2200 Carbide Grinder

All machines performance tested before shipment.

SAVES TIME...

CUTS COSTS...

Production costs go down when a Powermatic Model 2200 Carbide Grinder is included in any shop that does grinding or lapping of carbide tipped, steel or stellite cutting tools. There's no need to lose valuable production time while a tool is sent out for sharpening. Now the machinist can conveniently perform his own sharpening tasks with a minimum of time. It's ideal for the high production shop and can be conveniently placed near the production machine.

FEATURES

Motor: A full ½ HP motor is reversible to use either side of the table.
Table: The slotted table tilts 45 degrees down and 15 degrees up.
Coolant: Flood coolant container mounts on top of either grinder wheel guard. Adjustable spigot controls coolant flow.
Drain-off Tables: Deep well coolant drain-off tables are standard.

STANDARD EQUIPMENT

Model 2200 Carbide Grinder: Grooved, tilting cast iron tables, drain-off water pans, manual reversing toggle switch in base, cord and adjustable work lamp. Totally enclosed motor (as selected from options below). Lass: stand.

BASIC MACHINES

1210100 Bench Grinder, with all standard equipment and reversible ½ HP (373 kw), 1 phase, 115 volt, 3600 RPM (376.99 rad/s) motor. (Wheels not furnished).

1210110 Bench Grinder, with all standard equipment and reversible, ½ HP (.373 kw), 3 phase, 230/460 volt (optional) 3600 RPM (376.99 rad/s) motor. (Wheels not furnished.)

OPTIONAL ACCESSORIES

2588001 Steel Pedestal, complete with Tool Rest and Water Pot for ½, ¾, 1 HP (.373, .560, .746 kw) grinders. Wt. 54 lbs. (24.5 kg).

6900022 Silicon Carbide Wheel, 1½" x 6" (38.10 mm x 152.40 mm), 60 grit, wt. 2½ lbs. (1.1 kg).

6900025 Silicon Carbide Wheel, 120 Grit, wt. 2½ lbs. (1.1 kg).

SPECIFICATIONS

Motor ........................................ single phase, capacitor type ½ HP (.373 kw) reversible, 60 Hz, 3600 RPM (376.99 rad/s)

Motor ........................................ three phase, heavy-duty squirrel cage type, ½ HP (.373 kw), reversible 60 Hz, 115 or 230/460v, 3600 RPM (376.99 rad/s)

Wheels, Recessed ......................... 6" x 1½" (152.40 mm x 38.10 mm)

Wheels, Steel Backed ...................... 1¼ (31.75 mm) hole

Tool Table ................................. 12" x 6½" (304.80 mm x 171.45 mm) tilts 45 degrees out from face of wheel and 10 degrees in

Weight: Bench model (domestic crated) .................. 115 lbs. (52.2 kg)

Note: Wheels not included with standard machine. Order as extra equipment.
MAKING THE ARTISAN’S CHOICE

Utilizing its vast experience and knowledge, Powermatic developed the Artisan Line. This high quality line of woodworking machinery was designed for the contractor, the small shop, or the home hobbyist, but each of these machines contain many features commonly found only on industrial equipment. These features along with a competitive price have made the Artisan Line the only choice for small shops. Make the Artisan’s Choice!
Model 63 10" Artisan's Saw

Rugged construction, industrial quality Vega fence, and a powerful 1½ horsepower motor combine to make the Artisan 10" table saw the premier table saw for the contractor, the craftsman, or the home hobbyist.

Features

Exclusive Vega fence system provided for precise cutting.

Unique "thumb wheel" fine adjustment is included as a standard feature.

Cast iron grate extensions expand the saw work surface without adding excessive weight.

T-slot miter gauge complete with stops permit wider crosscutting.

Exclusive integral dust collector shroud includes a 2½" diameter hookup for dust collection equipment.

The optional sliding table has 26" crosscutting capacity and also delivers accurate miters.

Powerful 1½ horsepower motor, switch and wiring harness can be removed as a unit to aid in transporting the machine from job site to job site.

Basic Machines

1791000 Model 63, 10" Artisan's Saw complete with 1½ horsepower, 115/230 volt (wired 115 volt) single phase motor and manual switch with removable key, left and right cast iron grate extensions, polycarbonate blade guard and splitter, T-slot miter gauge, blade insert, dado insert, dust collector shroud, stand, and exclusive Vega Artisan's Saw fence system.

1791001 Model 63L, 10" Artisan's Saw - Same as 1791000 except with longer fence rails that permit cutting 50° to the right of the blade. Includes leg set and extension support.

Optional Accessories

2797174 Sliding table attachment
6253113 Stock pusher

6253115 Kit, 63L fence rails and leg set (retrofit)
6265200 Casters, set of 2

Specifications

<table>
<thead>
<tr>
<th>Table size with extensions</th>
<th>40% x 27&quot; (1020 mm x 685 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade size</td>
<td>3/8&quot; arbor, 10&quot; dia. (15.875 mm, 254 mm)</td>
</tr>
<tr>
<td>Fence size</td>
<td>2½&quot; high x 36&quot; long (63.5 mm x 914 mm)</td>
</tr>
<tr>
<td>Motor</td>
<td>1½ HP, 115/230v, 1 phase (2 kw)</td>
</tr>
<tr>
<td>Blade speed</td>
<td>4500 RPM</td>
</tr>
</tbody>
</table>

| Maximum depth of cut at 90 degrees | 3½" (80 mm) |
| Maximum depth of cut at 45 degrees | 2½" (54 mm) |
| Blade tilt                       | 45 degrees |
| Maximum width of dado cut        | 3½" (20.84 mm) |
| Shipping Weight                  | 310 lbs.    |
Model 23  
½"-¾" Spindle Shaper

Designed for small or home shops, the Model 23 is equipped with industrial features that make this a very versatile machine. The ½" interchangeable spindle and the ¾" solid spindle along with the optional router bit adaptor provide the ability to choose from a wide variety of shaper cutters as well as ¼" and ½" router bits.

FEATURES

Exclusive integral dust collector hook-up.

Cast iron table.

½" interchangeable spindle and ¾" solid spindle are standard equipment.

Spindle reversing switch.

Optional ¼" router bit adaptor can be used with the ½" interchangeable spindle.

Optional ½" router bit quill assembly.

1 Horsepower motor.

BASIC MACHINE

1791020 Model 23, ½"-¾" spindle shaper complete with 1HP single phase motor and manual switch, adjustable fence with integral dust collector hook-up.

¾" interchangeable spindle and cartridge, ¾" solid spindle cartridge, table insert and stand.

OPTIONAL ACCESSORIES

6285101 Miter Gauge
6285102 Spring hold down
6285103 ¼" router bit adaptor
6283738 ½" router bit quill assembly

SPECIFICATIONS

Table size ........................................... 18" x 15½" (457.2 mm x 396.8 mm)
Table height from floor ................................ 34½" (876.3 mm)
Spindle opening, diameter .................. 3", 1½ (76.2 mm, 34.93 mm)
Spindles available:
Interchangeable type, diameter ............... ½" (12.7 mm)
Solid spindle type, diameter .................. ¾" (19.05 mm)
Spindles capacity under nut:
½" interchangeable .................................. 2½" (57.15 mm)
¾" solid ............................................. 2½" (57.15 mm)

Spindle travel ........................................... 34" (863.6 mm)
Spindle speed ......................................... 11,300 RPM
Fence size each side .............................. 2¼" x 11½" (61.55 mm x 292.1 mm)
Motor .................................................. 1 HP, 115/230v, single phase
Dust collector shroud, diameter ............ 2½" (63.5 mm)
Shipping Weight ...................................... 162 lbs.
Model 93
15" Scroll Saw

A chip blower, tilting table, and cast iron construction to reduce vibration are just a few of the features incorporated into the Model 93. The constant tension on the blade provides an exceptionally smooth cut - virtually eliminating sanding. This is the perfect machine for many smaller projects such as puzzles, crafts, and home decorating ideas.

FEATURES

Chip blower system to assist in the ability to follow a pattern.
Removable safety key switch.
Cast iron tilting table.
Accepts flat end or pin type blades.
Clamp type blade holder.
Smooth operation.

Exceptionally smooth cut eliminates sanding.

BASIC MACHINE

1701610 Model 93 15" scroll saw complete with 1 6 amp single phase induction motor, and manual switch with removable key.

OPTIONAL ACCESSORY

6265075 Stand

SPECIFICATIONS

| Maximum thickness of cut | 2" (50.8 mm) |
| Throat depth | 15" (381 mm) |
| Blade length | 5" (127 mm) |
| Cuts per minute | 1725 |
| Stroke | ¾" (19.05 mm) |
| Table size | 14 ½" x 7 ½" (368.3 mm x 180.98 mm) |
| Table tilt | 0-45 degrees left |
| Base size | 13 ¾" x 7 ½" (349.25 mm x 200.03 mm) |
| Motor | 1.6 amp, 115v, single phase |
| Shipping Weight | 42 lbs. |
Model 1140 B & F
14" Drill Press

A wide range of speeds are available on the Model 1140s to assist in longer bit life and accuracy in most drilling operations. Rugged cast iron head, table, and base will deliver years of dependable service. The Model 1140s are ideally suited for small production shops or the home shop.

FEATURES

- Cast iron tilting table with integral coolant trough.
- Twelve speed step pulley design provides 250-3100 RPM.
- 0-½" chuck capacity.
- Removable safety key switch.
- 3½" spindle travel.
- Adjustable positive stop for repetitive drilling operations.
- Table raising mechanism is standard equipment.
- Metal belt guard.
- ¾ horsepower motor.

BASIC MACHINES

1791030 Model 1140-B 14" bench model drill press complete with ¾ HP single phase motor and manual switch with removable key, ½ capacity chuck with chuck key, table elevating mechanism, tilting and rotating table with integral coolant trough, and twelve speed step pulley design.

1791040 Model 1140-F 14" floor model drill press same as 1140-B except with floor model.

1791080 Model 1140-F 14" floor model drill press same as 1140-B except with flat woodworking table.

OPTIONAL ACCESSORY

6866009 4" Drill press vise

SPECIFICATIONS

- Spindle travel: 3½" (84.14 mm)
- Quill diameter: 1½" (47.63 mm)
- Column outside diameter: 2½" (73.03 mm)
- Column wall thickness: ¾" (4.76 mm)
- Column length:
  - Floor model: 54½" (1379.54 mm)
  - Bench model: 30" (762 mm)
- Table size: 11½" x 11½" (292.1 mm x 292.1 mm)
- Chuck to Column capacity: 7" (177.8 mm)
- Spindle Speeds: 12 RPM
- Motor: ¾ HP, 115v, single phase
- Shipping weight:
  - Floor model: 170 lbs.
  - Bench model: 149 lbs.
This machine is loaded with features normally found only on industrial equipment. Adjustable infeed and outfeed cast iron tables, center mounted fence with positive stops, and Powermatic's patented "controlled chip" cutterhead design delivers the accuracy required in a 6" jointer. Rugged enough to be taken to the job site, but compact enough to be utilized in the home shop.

**FEATURES**

Adjustable infeed and outfeed tables insure accuracy.

European style center mounted fence permits tilting to 45 degrees in either direction.

Powermatic's patented "controlled chip" cutterhead significantly reduces kick-back potential.

Two push blocks are included as standard equipment.

Dust chute is incorporated into the stand. Optional dust collector adaptor is available.

The fence has positive stops at +45 degrees, -45 degrees and 90 degrees.

Rabbeting ledge is also included as standard equipment.

3/4 horsepower motor with removable safety key switch.

**BASIC MACHINE**

1791050 Model 53, 6" Jointer complete with 3/4HP, 115/230v (wired 115v) single phase motor and manual switch with removable key, patented "controlled chip" cutterhead, Euro-style center mounted fence, cutterhead guard, 2 push blocks and floor stand with sawdust chute.

**OPTIONAL ACCESSORIES**

6285916 Dust collector adaptor
6285917 Push block
6285960 Knives, set of 3

**SPECIFICATIONS**

Cutting capacity ........................................... 1/2" x 6" (12.7 mm x 152.4 mm)
Table length .................................................. 42" (1,143 mm)
Table support ............................................. Dovetailed ways
Fence size ................................................... 3/4" x 28" (95.3 mm x 711.2 mm)
Fence tilt ..................................................... ±45 degrees
 Stops ...................................................... ±45 degrees, ±45 degrees, 90 degrees

Cutterhead ................................................... 3 knife, "controlled chip" design
Cutterhead speed ........................................... 4500 RPM (13,500 cuts/min.)
Rabbeting capacity ...................................... 1/2" x 6" (12.7 mm x 152.4 mm)
Motor ...................................................... 1/4 HP, 1 phase, 115/230v (wired 115v)
Shipping weight ........................................... 198 lbs.

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The Model 43 is ready to handle all types of band sawing operations with its many features such as upper and lower ball bearing guides, cast iron table, and rugged one-piece frame construction. Smooth vibration free operation is enhanced by the computer balanced wheels. The Model 43 will provide many dependable years of quality service.

**FEATURES**

Rugged mono frame provides rigidity and support.

Industrial quality upper and lower ball bearing guides.

1-1/4" solid steel guide bar provides extra stiff support for resawing operations.

3" dust collector shroud easily connects to dust collection systems.

Hinged doors facilitate blade changing.

Computer balanced cast aluminum wheels and replaceable tires promote vibration free operation.

Easy to reach blade tracking adjustment knob.

Large tilting cast iron table.

3/4" horse power motor with removable safety key switch.

7-1/2" under the guide cutting capacity.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting capacity:</td>
<td></td>
</tr>
<tr>
<td>Under guide</td>
<td>7-1/2&quot; (190.5 mm)</td>
</tr>
<tr>
<td>Blade to column</td>
<td>13-3/4&quot; (342.9 mm)</td>
</tr>
<tr>
<td>Table size</td>
<td>15&quot; x 15&quot; (381 mm x 381 mm)</td>
</tr>
<tr>
<td>Table tilt</td>
<td>45 degrees right, 15 degrees left</td>
</tr>
<tr>
<td>Table height from floor</td>
<td>42&quot; (1066.8 mm)</td>
</tr>
<tr>
<td>Blade length</td>
<td>1/4&quot; (3.2 mm) to 3/4&quot; (19.1 mm)</td>
</tr>
<tr>
<td>Blade speed</td>
<td>3000 SFM</td>
</tr>
<tr>
<td>Motor</td>
<td>3/4 HP, 1 phase, 115/230v (wired 115v)</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>166 lbs.</td>
</tr>
</tbody>
</table>
THE MOST WANTED LIST

FCS750 Overarm Router
Big Line Shaper
BW900 36" Bandsaw
Phase I & Phase III Feeders

Semi-Automatic Cut-Off Saw
TS120 Heavy Duty Shaper
FS430 17" Jointer
LV 150 Oscillating Edge Sander

RB-25, RB-25-1
25" Wide Belt Sander
NV 150 Non-Oscillating Edge Sander
FS305 12" Jointer
RB-37
37" Wide Belt Sander

The Heavyweights... The meanest, toughest machines of their size in the business.

Area of operation: Woodworking shops that are showing increased productivity/increased profits.

Identifying characteristics: A striking gold color. Superior horse power. The largest rated motors of any machines their size.

MO: These machines do a variety of jobs. Every one marked by speed and consistency.

Alias: The Incredible Machine. The heavyweights include shapers, jointers, a bandsaw, edge sanders, a router, feeders, an exciting semi-automatic cut off saw, and three wide belt sanders.

www.OzarkToolManuals.com
Model BW900
36" Woodcutting Band Saw

Accuracy In Every Operation

Incredible is the word for this heavy-duty 7½ HP, 36" throat, 20" depth of cut Band Saw. All adjustments are quick and simple, even to the lead rack and pinion activated table tilting mechanism. The perfect machine for non-ferrous materials.

Massive double trunnion is capable of supporting the heaviest work load without deflection.

Upper wheel is constructed of cast iron, precision balanced and mounted in two large lubricated for-life bearings.

Cast iron dynamically balanced lower wheel is fitted with a large contact brake drum to rapidly stop machine upon shutdown.

Standard guides are new Carter 400 ball side guide and backup bearings.

Guide post is raised and lowered by a large elevating handwheel, then locked in position to prevent accidental movement.

Heavy gauge aluminum rip fence moves easily on precision ground front mounted guide rail.

Table tilt is accurately controlled by a large handwheel, rack and pinion mechanism.

Telescoping blade guard moves with guide post to expose only the cutting position of the saw blade.

Push button station for the standard magnetic control is mounted for easy operator access.
BW900
36" Band Saw

FEATURES
All steel welded frame, ribbed to provide maximum strength and rigidity for the heaviest cuts.
Cast iron precision-balanced wheels with replaceable tires.
Full range rack and pinion adjustable guide post.
Adjustable anti-friction upper and lower guides.
Expertly ribbed, large, and rigid table for the most accurate cuts.
Lower wheel foot brake for rapid stops.
Dust chute for easy connection to a dust collector system.
Adjustable blade guard with extension to help provide operator protection.
Handwheel adjustable tension control to allow use of ¾" to 1¼" blades.
Safety-type door latch.
Totally enclosed fan-cooled motor.
5¾" H x 35½" L rip fence.

STANDARD EQUIPMENT
36" band saw, complete with rack and pinion adjustable guide post, lower wheel brake, dust chute, adjustable blade guard, rip fence,

BASIC MACHINE
1790100 Model DW900 heavy-duty band saw complete with 7½ HP, 3 phase, 230/460 volt motor (wired for 230v) and magnetic controls.

OPTIONAL ACCESSORIES
2471013 Miter gauge.
6339008 Carter 400 Guido.

SPECIFICATIONS
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheel Size</td>
<td>35 7/16&quot;</td>
<td>900mm</td>
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<tr>
<td>Wheel Speed</td>
<td>550 RPM</td>
<td>87.6 Rad/Sec</td>
</tr>
<tr>
<td>Table Size</td>
<td>32&quot; x 39&quot;</td>
<td>812.8 mm x 990.6 mm</td>
</tr>
<tr>
<td>Table in Front of Blade</td>
<td>12&quot;</td>
<td>304.8 mm</td>
</tr>
<tr>
<td>Table Tilt</td>
<td>3 deg L x 45 deg R</td>
<td>3 deg L x 45 deg R</td>
</tr>
<tr>
<td>Table Height from Floor</td>
<td>38&quot;</td>
<td>966.2 mm</td>
</tr>
<tr>
<td>Blade to Column</td>
<td>34¼&quot;</td>
<td>876.3 mm</td>
</tr>
<tr>
<td>Max. Depth of Cut</td>
<td>20&quot;</td>
<td>508 mm</td>
</tr>
<tr>
<td>Min. Blade Width</td>
<td>¾&quot;</td>
<td>44.4 mm</td>
</tr>
<tr>
<td>Max. Blade Width</td>
<td>1¼&quot;</td>
<td>127 mm</td>
</tr>
<tr>
<td>Max. Blade Adj.</td>
<td>4½&quot;</td>
<td>114.3 mm</td>
</tr>
<tr>
<td>Blade Length</td>
<td>20½&quot; x 21½&quot;</td>
<td>6243-6400 mm</td>
</tr>
<tr>
<td>Motor Horsepower</td>
<td>7½&quot;</td>
<td>5.6 kw</td>
</tr>
<tr>
<td>Overall Height</td>
<td>106&quot;</td>
<td>2560 mm</td>
</tr>
<tr>
<td>Floor Space Required</td>
<td>L 62½&quot; x W 38&quot;</td>
<td>L 1587 x W 965</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>2200 lbs.</td>
<td>990 Kg.</td>
</tr>
</tbody>
</table>
All machines performance tested before shipment.

Model TS 120
Heavy-Duty Shaper

The incredible strength of the Model TS 120 Shaper is obvious at first glance. The massive 3" heavily ribbed cast iron table, 6" diameter quill and heavy cast iron under-carriage delineate strength. The large center mounted fence features independently adjustable fence halves with positive locks and spindle guard. Four spindle speeds and reversing switch insure an endless variety of shaping operations.

The fence assembly is quickly removed for free hand shaping of curved or irregular shaped objects. A standard reversing switch permits use of most straight and pattern ground shaper cutters.

Spindles are quickly and easily installed or removed by a large standard double handle spanner wrench.

NOTE: Spring Hold downs shown are not standard.

Adjustable infeed and outfeed fences, guard and removable table inserts for improved versatility. Spring hold downs are optional.

Spindle lock for ease in tool changing is foot pedal activated for operator convenience.

Dual purpose tension lever releases belt tension for easy spindle speed change, then serves to adjust for proper drive belt tension.

Massive cast iron quill assembly is fitted with precision pre-loaded ball bearings and a #5 morse taper female spindle to insure positive spindle lock.

Standard equipped with a 1 1/4" spindle, 1/4", 1" and a 1/2" collet chuck arbor and spindle assembly are also available.

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Model TS 120
Heavy-Duty Shaper

Big Value . . .
Precision and Performance
Unexcelled

FEATURES

Heavy-duty cast iron table, expertly ribbed to minimize deflection and vibration.
Four spindle speeds. (2900-4000-5800-8000 RPM).
Totally enclosed fan cooled 5.5 HP motor.
Independently adjustable infeed and outfeed fences.
Magnetic controls with reversing switch.
Heavy-duty cast iron under carriage mounted to steel plate frame minimizes deflection and vibration.

Main spindle mounted in heavy-duty ball bearings fitted into a massive 6" diameter ground cast iron quill.
Foot operated spindle lock for ease in tool changing.
Bell change for different speeds is rapid. Correct tension is maintained by lever control.

STANDARD EQUIPMENT

The TS 120 Shaper complete with 1" interchangeable spindle, 5.5 HP, 3 phase, 230-460 volt motor wired for 230 volts, magnetic controls, 3 table inserts, set of wrenches, and spindle guard: ready to run.

BASIC MACHINE

230/460 volt motor (wired for 230V) magnetic controls and all standard equipment.

OPTIONAL ACCESSORIES

1790005 Model TS 120 heavy-duty spindle shaper complete with interchangeable spindle, 4 horsepower 3 phase

6287257 3/4" diameter interchangeable spindle.
6287258 1" diameter interchangeable spindle.
6287259 1 1/4" diameter interchangeable spindle.

SPECIFICATIONS

Table Dimensions .......................... 39 3/4" x 31 1/2" (1000 x 800 mm)
Table Height ................................ 33 1/2" (850 mm)
Spindle Diameter ......................... Standard Spindle Diameter 1"
Maximum Cutter Thickness .............. 1 1/4" Spindle—4" (100 mm)
........................................... 1" Spindle—3 1/2" (90 mm)
........................................... 3/4" Spindle—2 1/2" (60 mm)
Maximum Tool Diameter .................. 9" (228.6 mm)
Spindle Diameter ........................... 3/4", 1", 1 1/4"
Maximum Tool height ...................... 3/4" Spindle—2 1/2" (65 mm)
........................................... 1" Spindle—3 1/2" (90 mm)
........................................... 1 1/4" Spindle—4" (100 mm)

Spindle Stroke ............................... 6 1/4" (160 mm)
R.P.M. ....................................... 2900, 4000, 5800, 8000
Motor ........................................ 5.5 HP
Cone for Interchangeable Spindle ........ MK 5
Overall Dimensions ....................... 39 3/4" x 31 1/2" x 41 3/4" (1000 x 800 x 1050 mm)
Net Weight ................................... 840 lbs. (378 kg)
Shipping Weight ......................... 1,000 lbs. (450 kg)

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The Powermatic Big Line Shaper

For those who look for the ultimate in heavy-duty production shaping, the Powermatic Heavy-Duty Shaper fills every need. The 7½ horsepower, 3 phase motor provides the horsepower necessary for the heaviest shaper cuts. The massive carriage, large diameter quill assembly, and silky smooth bearings insure precision shaping and long life.

Fence locking handles are conveniently located for ease of adjustment. Infeed and outfeed fences can be independently adjusted or adjusted in unison.

The heavily constructed fence assembly is fitted with individually adjustable wooden fence pads and has an integral dust collection hookup. The infeed and outfeed fences can be adjusted independently or in unison for ease in set-up. The fence assembly can be easily removed for free hand shaping by simply removing the two handle bolts.

A foot brake is conveniently located on the front of the machine.

A hand lever spindle lock facilitates quick and easy spindle removal and replacement. A spindle reversing switch is included as standard equipment.

Belt tension adjusting levers simplify spindle speed changes.

Machine comes standard with a 1¼" interchangeable spindle.
Big Line Shaper

All machines performance tested before shipment.

FEATURES
Heavy-duty cast iron frame, expertly ribbed to minimize deflection and vibration.
Main spindle mounted in heavy-duty bearings fitted into a large diameter cast iron quill.
Five spindle speeds (3000, 4500, 6000, 7500, and 10,000 RPM).
Reversing switch standard.
Foot operated mechanical brake.
Hand lever activated spindle lock.
Belt tension adjusting levers simplify spindle speed changing.
1 1/4" interchangeable spindle standard.
Infeed and outfeed fences can be adjusted independently or in unison for ease in set-up.
Totally enclosed fan-cooled American made motors and controls with NEMA 12 dust-tight controls coveres.

STANDARD EQUIPMENT
The Big Line Shaper, complete with 1 1/4" interchangeable spindle, 7 1/2 horsepower, 3 phase, 230/460 volt motor wired for 230 volt operation, magnetic controls, 3 table inserts, set of wrenches, and hold downs. Ready to run.

BASIC MACHINE
1790801 Powermatic Heavy-Duty Shaper complete with 1 1/4" interchangeable spindle, 7 1/2 horsepower, 3 phase, 230/460 volt motor (wired for 230 volts), magnetic control, 3 tables inserts, tool kit, fence assembly. Ready to run.

OPTIONAL ACCESSORIES
6288500 3/4" diameter interchangeable spindle.
6288501 1" diameter interchangeable spindle.
6288502 1 1/4" diameter interchangeable spindle.
6288503 Miter Gauge

SPECIFICATIONS
| Table Size | 31 1/2" x 51 1/2" (800mm x 1295.5mm) |
| Table Height | 33" (838.2mm) |
| Spindle Opening Diameter | (max.) 12" (304.8mm) |
| Spindle Capacity Under Nut Standard Spindle | 5 1/4" (134.9mm) |
| Maximum Cutter Diameter | 1 1/4" (31.8mm) |
| Vertical Stroke of Spindle | 11" (279.4mm) |
| Spindle Speed | 4" (101.6mm) |
| Motor Horsepower | 3000, 4500, 6000, 7500, and 10,000 RPM |
| Floor Space Required | 7 1/2 |
| Net Weight | 31 1/2" x 51 1/2" (800mm x 1295.5mm) |
| Shipping Weight | 1600 lbs. (727 kgs.) |
| | 1742 lbs. (793.2 kgs.) |

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Super Power
Heavy Duty . . .
Speeds Production

High production and heavy cuts demand rugged construction. The massive cast iron tables, welded steel base and 4 horsepower motor identify the FS 305 as the type of machine that will stand up under heavy work loads.

A long, easy to reach, lever quickly and simply adjusts infeed table for proper cutting depths up to 3/4".

Full view depth of cut scale is calibrated in both inches and millimeters.

Massive 4 1/2" cutterhead is dynamically balanced and runs in sealed ball bearings. Both tables swing concentric to cutterhead.

Center mounted aluminum fence has positive stops at 90 degrees and 45 degrees.

A large, removable rabbit ledge insures adequate support for edge rabbeting long materials.

Lock securely holds fence at all angle levels. Rear of cutterhead is fully guarded at all times.

Oversized "leg of lamb" type guard provides maximum protection, covering head during all jointing operations.

Both infeed and outfeed tables swing concentric with head to minimize knife-to-table clearance.

Outfeed table is quickly set with a conveniently located lever, then locked to prevent movement.
All machines performance tested before shipment.

FEATURES

Frame constructed of heavy steel plate, reinforced for vibration-free performance. Large rear discharge dust chute assures complete chip removal.

Precision ground asymmetric tables are heavily ribbed ensuring accurate edging and surfacing. Front table is extra wide for rabbeting. Rabbeting edge is standard.

Special forged steel cutterhead ground and electronically balanced. Mounted on sealed ball bearings requiring no lubrication. Equipped with three high speed steel knives.

Depth-of-cut indicator is easy to read and instantly visible. Rapid vertical table adjustment is lever operated. A positive lock helps to prevent depth of cut changes during operation.

Fully adjustable fence with tilting capability of 90 degrees to 45 degrees.

Swing away type guard.

Totally enclosed fan-cooled motor.

Each table is mounted and adjustable from four points. The parallelogram construction allows tables to swing concentric to cutterhead creating uniform clearance between knives and tables at all cutting depths.

Table tips are machined aluminum to minimize damage should knife clearance change or be improperly set. Inserts are grooved to reduce noise level.

STANDARD EQUIPMENT

FS305 jointer complete with steel floor stand, cutterhead guard, set of wrenches, 4 horsepower, 3 phase, 230-460 volt motor, magnetic controls, and one set of knives.

BASIC MACHINE

1790200-FS305 Jointer complete with all standard equipment: 4 horsepower, 3 phase motor, wired 230 volt and magnetic controls, ready to run. Sorry, not available for single phase current.

OPTIONAL ACCESSORIES

2004011 Power feed or mounting plate,
6287101 Set of knives.
6287114 Guard.
6287120 Motor drive belt.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Table Size</th>
<th>86&quot; x 12-¾&quot;</th>
<th>2184 x 323.8 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Table Length</td>
<td>50½&quot;</td>
<td>1282 mm</td>
</tr>
<tr>
<td>Rear Table Length</td>
<td>35½&quot;</td>
<td>901.7 mm</td>
</tr>
<tr>
<td>Table height from Floor</td>
<td>31½&quot;</td>
<td>800 mm</td>
</tr>
<tr>
<td>Cutterhead Diameter</td>
<td>4¾&quot;</td>
<td>120.6 mm</td>
</tr>
<tr>
<td>Knives (3)</td>
<td>½&quot; x 1½&quot; x 12&quot;</td>
<td>3.17 x 34.9 x 304.8 mm</td>
</tr>
<tr>
<td>Cutterhead Speed</td>
<td>4200 RPM</td>
<td>440 Rad/Sec</td>
</tr>
<tr>
<td>Max. Depth of Cut</td>
<td>¾&quot;</td>
<td>20 mm</td>
</tr>
<tr>
<td>Max. Rabbet Depth</td>
<td>¾&quot;</td>
<td>20 mm</td>
</tr>
<tr>
<td>Fence Size</td>
<td>39½&quot; x 7&quot;</td>
<td>1003 x 177.8 mm</td>
</tr>
<tr>
<td>Fence Tilt</td>
<td>0 to 45 degrees</td>
<td>0 to 45 degrees</td>
</tr>
<tr>
<td>Motor Horsepower</td>
<td>4</td>
<td>3 Kw</td>
</tr>
<tr>
<td>Net Weight</td>
<td>760 lbs.</td>
<td>345 Kg</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>880 lbs.</td>
<td>451 Kg</td>
</tr>
<tr>
<td>Floor Space Required</td>
<td>L 58½&quot; x W37&quot;</td>
<td>L 1479 x W 940 mm</td>
</tr>
</tbody>
</table>
accuracy in every operation

A machine designed especially for the pattern maker where accuracy and finish are most important. Minimal knife extension from the cutterhead reduces chip size and grain tear-out. The 116" (2900 mm) tables are perfect for jointing extremely long material.

A long, easy to reach lever quickly and simply adjusts infeed table for proper cutting depths up to 3/4".

Full view depth cut scale is calibrated in both inches and millimeters.

Lock securely holds fence at all bevel angles. Rear of cutterhead fully guarded at all times.

Outfeed table is quickly set with a conveniently located lever, then locked to prevent movement.

Oversized "leg of lamb" type guard provides maximum protection, covering head during jointing operations.

Both infeed and outfeed tables swing concentric with head to minimize knife to table clearance.

Massive 4¾" cutterhead is dynamically balanced and runs in sealed ball bearings.

A large, removable rabbet ledge insures adequate support for edge rabbeting long material.

Two piece step fence enables operator to maintain fence/table contact throughout entire length.

As fence moves across table for rabbet cuts, notice that rear of cutterhead is fully covered.
Model FS430  
17" Jointer

All machines performance tested before shipment.

Rear motor access compartment is easily accessible for service or to maintain proper belt tension. Expanded metal shield provides visibility and ventilation without panel removal.

A massive rectangular dust chute helps to prevent clogging from woods that are wet, full of resin or from static electricity.

FEATURES

Main frame is one piece casting, strongly constructed to minimize vibration.
Cutterhead, of special forged steel, is ground, electronically balanced and mounted in sealed for life bearings. It is equipped with 4 knives.
Exceptionally long tables, precision ground with adjustment for accurate alignment to the cutterhead.
The opening between the tables is reduced to a minimum. Tables swing concentric with cutterhead to maintain minimum table opening.

Spring loaded swing away guard provides maximum coverage of cutterhead at all times.
The fence has a positive stop at 90 deg. with quick tilting adjustment up to 45 deg.
Two piece fence adjusts to maintain fence/table contact at all cutting depths.
Easy To read inch/metric depth of cut indicator.
Rapid vertical table adjustment lever.
Totally enclosed fan cooled 7.5 Hp motor.

STANDARD EQUIPMENT

FS430 jointer complete with steel floor stand, cutterhead guard, set of wrenches, 7.5 HP 3 Ph 230/460 volt motor, magnetic controls and one set of knives.

BASIC MACHINE

1790205  FS430 jointer complete with all standard equipment, 7½ HP, 3 PH motor, wired 230 volt and magnetic controls, ready to run. Sorry, not available for single phase current.

OPTIONAL ACCESSORIES

2004011 Power feeder mounting plate.

6287513 Belt, motor drive.

6287601 Knives, set of 4.

SPECIFICATIONS

Length of Table ........................................... 108" (2700 mm)
Front Table Length ........................................ 62" (1550 mm)
Rear Table Length ......................................... 44" (1110 mm)
Front Table Width .......................................... 18" (450 mm)
Rear Table Width .......................................... 17" (430 mm)
Table Height ............................................. 31.5" (800 mm)
Cutterhead Diameter ...................................... 4½" (120 mm)
Knives, 4 .................................................. 17" x 1¼" x ¼" (430 x 35 x 3 mm)

Depth of Rabbet ........................................... ¾" (20 mm)
Fence Dimensions ......................................... 52" x 6" (1300 x 160 mm)
Fence Tilt .................................................. 0 to 45 Deg.
Motor ....................................................... 7.5 HP
Overall Dimensions ...................................... 108" x 28" x 38" (2700 x 700 x 960 mm)
Net Weight ................................................ 1200 lbs. (544 kg)
Shipping Weight .......................................... 1350 lbs. (612 kg)
The Powermatic Semi-Automatic Cut-Off Saw is an attractive addition to any wood processing operation. It is ideally suited for solid stock cut-off work and minimizes the blade exposure and kickback potential normally associated with traditional radial arm saw operations.

The Powermatic Semi-Automatic Cut-Off Saw is loaded with features to increase your production including a 10 horsepower, 3 phase motor with magnetic control. The pneumatic operated guard/clamp securely holds stock in place while the saw blade raises from below the table making quick accurate cuts. The need for radial arm saws for most crosscutting operations is virtually eliminated.

Built-in dust collection chute is an integral part of the design.

Recessed surface on top casting makes it easy to position stock for cutting.

The on/off and air control switches are located on the top/rear of the machine for easy reach.

Guard/clamp height is easily set using the adjusting knob.

Front and side blade access covers make blade servicing easy.
Semi-Automatic Cut-Off Saw

All machines performance tested before shipment.

FEATURES

Heavily ribbed, precision ground cast iron top is designed for rugged production use.
Guard/clamp assembly height is easily adjusted by top mounted knob.
Heavy steel plate cabinet construction with hinged front door and front and side blade access covers.
On/off and air control switches are conveniently located at the top of the machine for easy operator access. Foot pedal controls blade cycle.
Heavy cast iron adjustable fence.
Heavy-duty, widely spaced bearings provide arbor support. The arbor and blade assembly is powered by three drive belts connected to the 10 horsepower, 3 phase motor.
Totally enclosed fan cooled American made motors and controls with NEMA 12 dust-tight control covers.

STANDARD EQUIPMENT

Powermatic 18" semi-automatic cut-off saw complete with 10 horsepower, 3 phase motor, magnetic control, cast iron fence, and tool kit.

BASIC MACHINE

1790803 Powermatic Semi-Automatic Cut-Off Saw complete with 10 horsepower, 3 phase motor, magnetic control, cast iron fence, and tool kit. Ready to run.
Left hand machine.

1790806 Powermatic Semi-Automatic Cut-Off Saw complete with 10 horsepower, 3 phase motor, magnetic control, cast iron fence, and tool kit. Ready to run. Right hand machine.

OPTIONAL ACCESSORIES

2781046 Flip stops. Chrome plated.

2797170 Complete 8' roller table package that includes 8' roller infeed and outfeed tables, leg sets, infeed angle fence, and outfeed angle fence with measuring scale and four flip stops.
For RIGHT HAND semi-automatic cut-off saws.

2797171 Same as 2797170 except for LEFT HAND semi-automatic cut-off saws.

2797172 Complete 8' roller table/ledge package that includes 8' infeed roller table and 8' outfeed ledge with measuring scale and four flip stops, leg sets, and infeed angle fence. Includes all mounting hardware and instructions. For RIGHT HAND semi-automatic cut-off saws.

2797173 Same as 2797170 except for LEFT HAND semi-automatic cut-off saws.

6682002 Roller 2" x 13".

SPECIFICATIONS

Table Size .................. 26" x 18½" (660.4 x 476.3mm)
Table Height .................. 35¼" (895mm)
Air Pressure Required .......... 60 psi
Maximum Height Under Guard/Clamp ...... 4 ¼" (108 mm)
Maximum Width of Cut
1" Stock Thickness .......... 12" (302.2mm)
2" Stock Thickness .......... 12½" (317.5mm)
3" Stock Thickness .......... 12" (304.8mm)
4" Stock Thickness .......... 11" (279.4mm)
Saw Blade Diameter .......... 16" (457.2mm)
Motor Horsepower .......... 10 HP
Arbor Speed .......... 3320 RPM
Net Weight .......... 792 lbs. (360 kgs.)
Shipping Weight .......... 964 lbs. (440 kgs.)
Maximum Cycle Rate .......... 90 cycles/minute
The Powermatic Stock Feeder units are universally adaptable to a variety of woodworking machines including TA Saws, Shapers, Band Saws, Edge Sanders, and Jointers. The variable head positioning makes it adaptable to a wide range of woodworking set-ups. In addition, the uniform feed rates and secure stock handling of the Powermatic Stock Feeder increases machined surface quality and reduces machining tear-out while greatly increasing productivity.

Soft but tough rubber driving wheels are chain connected for continuous and consistent drive. The Powermatic Stock Feeders are operative in any of four speeds in forward or reverse.

Vertical height is adjusted by turning the vertical screw with the cast iron elevating handwheel. Horizontal adjustment is accomplished by rotating the cast iron rack and pinion.

The universal mounting system permits a variety of feeder head positions.

Drive wheels are positively driven by chain and sprocket drive system.

The low/high - forward/reverse switch is conveniently located.

The Phase I Feeder features a transmission with convenient shift lever.
**Power Feeders**

**FEATURES**

Universal mounting hardware provides versatility in adapting the power feeder to a wide variety of machines. Vertical adjustment is controlled by "acme" threaded elevating rod with cast iron handwheel. Phase I Feeder includes capacitor start induction motor with four feed speeds available: 13, 36, 44 or 110 ft/min, in forward or reverse. Phase III Feeder includes 230v, 3 phase motor with four feed speeds, 13, 26, 36, or 72 ft/min, in forward or reverse. Three rubber driving wheels are drive chain connected for positive feeding.

**STANDARD EQUIPMENT**

Feeder drive unit complete with all mounting hardware and cord. Includes grease gun for lubrication.

**BASIC MACHINE**

1790800 Powermatic Phase III Stock Feeder unit wired for 230 volts, complete with universal mounting system, mounting hardware, and cord.

1790807 Powermatic Phase I Stock Feeder unit wired for 115 volts, single phase operation, complete with universal mounting system, mounting hardware, cord and plug.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Horizontal Distance from Column to Wheels</td>
<td>25&quot; (635mm)</td>
</tr>
<tr>
<td>Maximum Vertical Adjustment</td>
<td>8&quot; (203.2mm)</td>
</tr>
<tr>
<td>Number of Wheels</td>
<td>3</td>
</tr>
<tr>
<td>Feed Wheel Diameter</td>
<td>4 1/4&quot; (120mm)</td>
</tr>
<tr>
<td>Column Diameter</td>
<td>2 1/4&quot; (57.15 mm)</td>
</tr>
<tr>
<td>Feed Wheel Width</td>
<td>2 5/8&quot; (60mm)</td>
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<tr>
<td>Motor Horsepower</td>
<td>1</td>
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<tr>
<td>Feed Rates</td>
<td>13, 26, 36, and 72 ft./min. (Phase III)</td>
</tr>
<tr>
<td>Feed Rates</td>
<td>13, 36, 44 and 110 ft./min. (Phase I)</td>
</tr>
<tr>
<td>Net Weight with Motor</td>
<td>132 lbs. (160 kgs)</td>
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<tr>
<td>Shipping Weight</td>
<td>146 lbs. (66 kgs)</td>
</tr>
</tbody>
</table>
All machines performance tested before shipment.

Model FCS 715 Overarm Router

The versatile Powermatic Model FCS 715 overarm router is designed to handle high volume in the toughest cutting applications. A two-speed motor delivers 10,000 RPM for large diameter cutters and a top 20,000 RPM for regular router bits up to ½" diameter. This heavy duty router is priced well within the budget of the school or small cabinet shop.

A casting holds both a clear plastic, adjustable guard and dust hood outlet.

Three guide pins with six pin diameters, and three collet chucks ¼", ⅜" and ½" are standard equipment.

A large flat belt drive delivers full motor torque to spindles. If guard is lifted with machine running, a safety switch stops machine.

Lever controlled depth stops permit up to 5 spindle positions, even to multiple depths without stopping machines.
Model FCS 715 Overarm Router

Massive heavy ribbed cast iron table is quickly handwheel raised and lowered through a five pitch Acme screw.

A full 3¼” (80 mm) diameter precision ground quill assembly is fitted with pre loaded ball bearings and ball grease fittings.

Pneumatic quill is controlled by foot pedal. May be used for drilling or locked for routing.

FEATURES

Frame: Heavy-duty steel plate construction, ribbed and welded to prevent vibration.

Table: Constructed of heavily ribbed cast iron and precision ground, this 35½” x 31½” table defies deflection under the heaviest load.

Table Raising Mechanism is constructed of cast iron and moves on dovetailed ways fitted with wear gibbs to support table. Large handwheel raises and lowers table through an Acme thread leadscrew.

Spindle Speeds: A two speed motor provides spindle speeds of 10,000 RPM for large diameter cutters and 20,000 RPM for smaller high speed cutting tools.

Motor: Standard equipment includes a 3½ Hp (for 20,000 RPM) and 4½ HP (for 10,000 RPM) two speed motor to provide maximum spindle torque for all cutting operations.

Brake: This router is fitted with a manually operated braking system.

Spindle Stops: Five adjustable, turret handle operated stops enable operator to change cutting depths without stopping machine—an excellent feature for step machining.

Oil Filter & Regulator are standard equipment. Any moisture in air line is collected and readily visible. Easily discharged oil regulator supplies correct lubricant to spindle elevating components.

STANDARD EQUIPMENT

Model FCS 715 overarm router complete with 5 spindle stops, air downfeed, foot pedal control, one set guide pins, ¼", ½", and ¾" collets, ring guard, 2-speed 3½ and 4½ HP 3 phase motor, magnetic starter and manual brake system.

BASIC MACHINE

1790715 Model FCS 715 Router complete with all standard equipment, wired 230 volt.

OPTIONAL ACCESSORIES

6288001 ¼" Collet
6288002 ½" Collet
6288003 ¾" Collet
6288007 Collet Retaining Nut
6288009 ¾" & ½" Guide Pin
6288010 ¼ & ⅜" Guide Pin

SPECIFICATIONS

Distance between spindle and column ................. 29½" (750 mm)
Table dimensions ........................................ 35½” x 31½” (900 x 800 mm)
Spindle speeds ........................................... 10,000 to 20,000 RPM
Morse taper ............................................... #2 (MK2) 1½” thread
Vertical spindle stroke .................................... 4" (100 mm)
Vertical table stroke ...................................... 7½" (185 mm)

Maximum distance between table & spindle ........ 11" (285 mm)
Minimum distance between table & spindle .............. 0" Adjustable spindle depth stops ...................... 5
Minimum table height .................................... 33½" (845 mm)
Maximum table height .................................. 40½" (1030 mm)
Shipping Weight ........................................ 1200 lbs. (544 kg)
Quality Features
For Top Edge Sanding
Performance

The Powermatic Model LV150 oscillating edge sander is designed to produce exceptional finishes. The gentle up/down movement of the sanding belt eliminates long surface grain marks. The front and rear adjustable tables give operator access to full belt width. Four tables permit platen, jointing, contouring and spindle sanding on one machine.

Belt tension is controlled by a small internally mounted handwheel and positive tracking by an easy access fine thread screw and control knob.

A unique felt and graphite covered roller assisted center platen provides an ideal method of jointing and sanding a straight edge during the same operation. Both cast iron faceplates are quickly adjusted and locked in position for real precision finishing.

A full 33" sanding platen insures precision edges on short or long stock.

A large 4 1/2" drive and 3 1/2" idler pulley provide a non-slip sanding system. A separate switch permits operation in oscillating or non-oscillating modes.

Belt oscillation is obtained from a slow, positive reciprocating action of the drive pulley by a separate 1/10 horsepower top mounted motor.
Model LV150
Edge Sander

All machines performance tested before shipment.

Through removal of drive pulley dust hood cover and installation of
the auxiliary table, this model converts to a spindle sander perfect for
small radius sanding.

Larger contours are easily sanded
by removal of the driven pulley dust
hood. The idler now becomes a
contour sander.

The tilting table of the Model LV150
is perfect for bevel sanding linear
stock 0 degrees to 90 degrees. Tilt
scale reads in inches and degrees.

Two shaving hoods permit sanding
and direct dust pickup from
either left or right end of Sander.

FEATURES

A special 1/10 hp motor delivers a reciprocating action to the large
driven pulley providing smooth oscillation of the sanding belt.
An auxiliary table and 25mm, 30mm, 40mm, 45mm, and 50mm
diameter rubber covered spindles are supplied as standard
equipment for small contour work.
Heavy-duty steel plate construction provides smooth operation,
long life and rugged dependability.
Two oversized machined cast iron table supports heavy objects for
straight and beveled edge sanding.

Precision drive and driven pulleys assure positive non-slip
tracking.
The miter gauge permits sanding of standard and compound angles.
A full 41/2 HP motor supplies ample power for production sanding.
Magnetic controls provide overload, low voltage and no voltage
protection.
Dust hoods located at each end of sanding belt—one removable for
contour sanding.

STANDARD EQUIPMENT

Model LV150 oscillating belt sander complete with 4 1/2 HP, 3 phase
motor, 1/10 HP oscillation motor, magnetic controls, set of wrenches,
1 sanding belt, lift eyes, 2 shaving hoods, and a set of 5 rubber
cushions and sanding drums for spindle sanding.

BASIC MACHINE

1790500 Model LV150 Sander complete with all standard equip-
ment wired for 230 volt operation.

OPTIONAL ACCESSORIES

6288227 Sleeve sanding 25 mm
6288228 Sleeve sanding 30 mm
6288229 Sleeve sanding 35 mm
6288230 Sleeve sanding 40 mm
6288231 Sleeve sanding 45 mm
6288232 Sleeve sanding 50 mm

SPECIFICATIONS

Tilting Work Table 33 1/2" x 11 3/4" (850 x 300 mm)
Fixed Table 33 1/2" x 11 3/4" (850 x 300 mm)
Table Tilt 0 to 35°
Vertical Movement of Tables 5 1/4" (130 mm)
Abrasive Belt Width 6" (152.4 mm)
Abrasive Belt Length 89" (2260 mm)
Idler Roll Diameter 3 1/2" (89 mm)
Surface Feet Per Min 4146
Abrasive Rollers Diameter 1"—2" (25, 30, 35, 40, 45, 50 mm)
Supplementary Working Table for Abrasive Rollers 11 3/4" x 11 3/4" (300 x 300 mm)
Motor 41/2 HP 230 Volt 3 Phase
Overall Dimensions 51"L x 34"W x 48 1/2"H
Shipping Weight 600 lbs. (272 kg)
All machines performance tested before shipment.

**Model NV 150 Edge Sander**

**precision & performance unexcelled**

Compare the features of this non-oscillating edge sander against the lightweights marketed at higher prices—then decide which machine meets your demands.

**Motor:** a full 3HP TEFC 3 or 1 Phase motor provides the power for heavy duty sanding operations.

**Standard Table:** adjustable in height for full sanding belt use and spring loaded to maintain perfect alignment.

** Tilting Table:** constructed of cast iron and tilts from 0 deg. to 35 degrees for bevel sanding applications.

**Sanding Platens:** are a full 37" for perfect edges whether straight or beveled.

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**BASIC MACHINES**

17QN4H1 Model NV 150 Sander complete with 3 HP, 3 Phase motor, wired for 230 volt operation, magnetic controls, set of wrenches, 2 lift eyes and 2 shaving hoods.

1790403 Model NV 150 Sander complete with 3 HP, single phase motor, wired for 230 volt operation, magnetic controls, set of wrenches, 2 lift eyes and 2 shaving hoods.

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilting Work Table</td>
<td>39½&quot; x 11¾” (997 x 300 mm)</td>
<td>Supplementary Working Table for</td>
<td>12½&quot; x 11¾” (320 x 300 mm)</td>
</tr>
<tr>
<td>Fixed Table</td>
<td>39¼&quot; x 11¾” (997 x 300 mm)</td>
<td>Idler Roll</td>
<td></td>
</tr>
<tr>
<td>Table Tilt</td>
<td>0 to 35°</td>
<td>Overall Dimensions</td>
<td>65&quot;L x 32&quot;W x 35½&quot;H</td>
</tr>
<tr>
<td>Vertical Movement of Tables</td>
<td>5½&quot; (130 mm)</td>
<td>(1650 x 813 x 902 mm)</td>
<td></td>
</tr>
<tr>
<td>Abrasive Belt Width</td>
<td>6&quot; (152.4 mm)</td>
<td>Motor</td>
<td>3 HP 230 Volt</td>
</tr>
<tr>
<td>Abrasive Belt Length</td>
<td>118¼&quot; (2929 mm)</td>
<td>Net Weight</td>
<td>600 lbs (272 kg)</td>
</tr>
<tr>
<td>Idler Roll Diameter</td>
<td>4½&quot; (114 mm)</td>
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</tr>
</tbody>
</table>

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An adjustable auxiliary end table is provided for contour sanding. Stationary table height is adjusted with rigid angle supports. Twin locks and a cast iron undercarriage control accurate tilting from 0 to 35 degrees down.

www.OzarkToolManuals.com
Model RB 25
RB 25-1
Wide Belt Sander

THE POWERMATIC WIDE BELT SANDER
DEVELOPED SPECIFICALLY TO IMPROVE PRODUCTIVITY!

The Powermatic 25" wide belt sanders are designed to deliver rugged and dependable service day after day. The machines offer features ideally suited for the commercial cabinet shop, school shop, or serious hobby woodworker. The machines are easy to set-up and operate with minimal maintenance. The addition of the wide belt sander into the woodshop can result in tremendous labor savings while at the same time, improving product quality.

The NEW RB-25-1 single phase wide belt sander finally provides an alternative to the use of a phase converters for wide belt sanding in areas where three phase power is either not available or cost prohibitive. The special "Soft-Start" feature greatly reduces the machine starting current making it much more attractive for the small shop.

STANDARD EQUIPMENT

RB-25 Three-Phase 25" wide belt sander with combination head, 10 HP, 3 phase motor with magnetic starters and overload protection. Includes an emergency brake.

RB-25-1 Single Phase 25" wide belt sander with combination head, 10 HP, 1 phase motor with magnetic starters and overload protection. Includes an emergency brake.

BASIC MACHINE

1790804 Model RB-25 three phase 25" wide belt sander complete with all standard equipment, wired for 230 volt three phase operation.

Note: 460 volt service on three phase models available at a slightly higher price.

1790808 Model RB-25-1 single phase 25" wide belt sander with all standard equipment, wired for 230 volt single phase operation.

SPECIFICATIONS

Maximum working width .......... 25" (635 mm)
Maximum working height ....... 5-7/8" (149.2 mm)
Table height .................. 33½" to 38¾" (850.9 mm to 984.3 mm)
Main drive motor ............... 10 HP, 3 Phase
................................ 10 HP, 1 Phase
Table conveyor motor ........... 1 HP, 3 Phase
................................ 1 HP, 1 Phase
Feed rate ...................... 15 feet/minute (.381 M/min.)
Sanding belt speed ............. 2,000 feet/minute (50.8 M/min.)
Belt size ....................... 25" x 60" (635 mm x 1524 mm)
Air requirements ............... 60 psi, 3 CFM
Packing size ................... 52" x 44" x 71" (1320.8 mm x 1117.6 mm x 1803.4 mm)
Weight ......................... 1600 lbs. (727 kgs.)
The Powermatic 37" wide belt sander is designed to deliver dependable service in a variety of settings. The 37" x 60" belt makes sanding assembled face frames and other large panels a snap. The combination sanding head that includes a special "micro-adjust" platen makes it possible to produce surfaces that are ready for finishing in most cases. The RB-37 is easy to set-up for operation and requires minimal maintenance. The addition of the wide belt sander into the woodworking facility can result in a tremendous labor savings while improving product quality.

STANDARD EQUIPMENT

RB-37 Three-Phase 37" wide belt sander with combination head, 15 HP, 3 phase motor with magnetic starters and overload protection. Includes an emergency brake.

BASIC MACHINE

1790805 Model HB-37 three phase 37" wide belt sander complete with all standard equipment, wired for 230 volt three phase operation.

Note: 460 volt service available at a slightly higher price.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum working width</td>
<td>37&quot; (939.8mm)</td>
</tr>
<tr>
<td>Maximum working height</td>
<td>5 7/8&quot; (149.2mm)</td>
</tr>
<tr>
<td>Table height</td>
<td>33 1/2&quot; to 38 3/4&quot; (850.9mm to 984.3mm)</td>
</tr>
<tr>
<td>Main drive motor</td>
<td>15 HP, 3 Phase</td>
</tr>
<tr>
<td>Table conveyor motor</td>
<td>1 HP, 3 phase</td>
</tr>
<tr>
<td>Feed rate</td>
<td>15 feet/minute (381 M/min.)</td>
</tr>
<tr>
<td>Sanding belt speed</td>
<td>2,000 feet/minute (50.8 M/min.)</td>
</tr>
<tr>
<td>Belt size</td>
<td>37&quot; x 60&quot; (939.8mm x 1524mm)</td>
</tr>
<tr>
<td>Air requirements</td>
<td>60 psi, 3 CFM</td>
</tr>
<tr>
<td>Packing size</td>
<td>51&quot; x 58&quot; x 71&quot; (1295.4mm x 1473.2mm x 1803.4mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>2000 lbs. (909.1 kgs.)</td>
</tr>
</tbody>
</table>
Model RB 25
RB 25-1
Wide Belt Sander

FEATURES

Heavy ground table is supported by four elevating screws for greater table stability.

The combination head features a special "Micro-Adjust" platen knob to permit extremely precise platen adjustment.

The easily removable platen slides into a dovetail recess for simplified servicing.

Belt wear against the platen is minimized with a graphite covered felt pad.

Sanding belt oscillation is controlled by an "air-jet" sensor and special diaphragm valving system that virtually eliminates conventional tracking problems.

Optimum feed speed of 15 ft./minute can produce surfaces ready for finishing.

Upper sander cabinet can be easily removed for sanding head maintenance.

Veneer depth scale is graduated to 1/128" for precise thicknessing.

Easily adjusted double infeed and outfeed pinch rolls produce flawless stock feeding.

On/off controls are located on the side of the machine for easy access.

A load meter is included on the front of the machine for monitoring the sanding operation.

The 25" x 60" sanding belt is readily available in a wide variety of materials and grit sizes.

A positive contact drum brake is activated anytime the emergency stop button or stop bar is depressed.

The single phase model (RB-25-1) includes a 10 horsepower capacitor-start American made single-phase motor with the exclusive "Soft-Start" feature that limits the initial current surge when the machine is started.

Model 37
Wide Belt Sander

Heavy ground table is supported by four elevating screws for greater table stability.

The combination head features a special "Micro-Adjust" platen knob to permit extremely precise platen adjustment.

The easily removable platen slides into a dovetail recess for simplified servicing.

Belt wear against the platen is minimized with a graphite covered felt pad.

Sanding belt oscillation is controlled by an "air-jet" sensor and special diaphragm valving system that virtually eliminates conventional tracking problems.

Optimum feed speed of 15 ft./minute can produce surfaces ready for finishing.

Upper sander cabinet can be easily removed for sanding head maintenance.

Veneer depth scale is graduated to 1/128" for precise thicknessing.

Easily adjusted double infeed and outfeed pinch rolls produce flawless stock feeding.

On/off controls are located on the side of the machine for easy access.

A load meter is included on the front of the machine for monitoring the sanding operation.

The 37" x 60" sanding belt is readily available in a wide variety of materials and grit sizes.

A positive contact drum brake is activated anytime the emergency stop button or stop bar is depressed.

The "micro-adjust" platen can be readily removed for quick surfacing. Platen height is adjusted by rotating the micro-adjust knob.

Dual spring loaded pinch rollers are mounted at both the infeed and outfeed positions to assure positive feeding.

Belt oscillation is controlled by the air-actuated diaphragm tracking system. Eliminates tracking problems associated with optical tracking systems.

Control panel is located on the side of the machine for ease of access. The large emergency stop button automatically engages the contact drum brake.