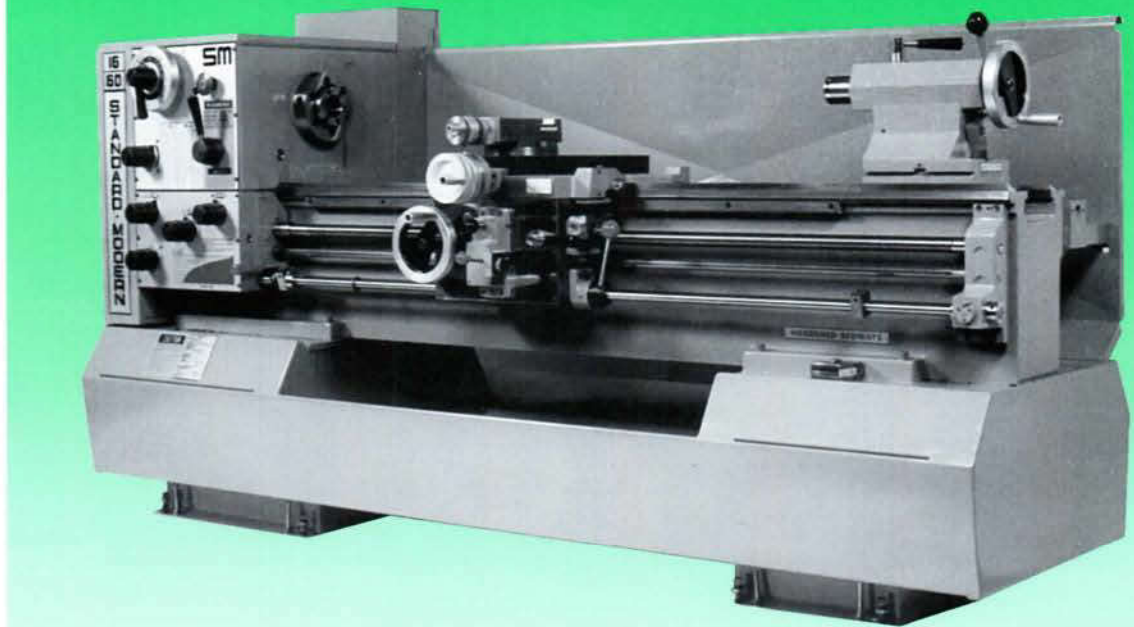




STANDARD-MODERN LATHES

PRODUCED BY KESTREL MACHINE TOOLS INC.

16" SWING INCH-METRIC



MADE IN NORTH AMERICA

1600 THE COMPLETE LATHE

The Model 1600 is one of a new, modern generation of standard engine and toolroom lathes, designed to produce space-age parts with space-age tools. Ideally suited for toolroom, maintenance and production, the lathe is designed and built in North America, and has more important plus features for all turning jobs in your shop.

Standard-Modern lathes have gained a wide reputation for Quality and Reliability and now with more Versatility are **THE COMPLETE LATHES.**

- ★ CAPACITY: 16" Dia. Swing – 40", 60", 100" between centers
- ★ 10 H.P. Continuous Duty
- ★ 18 Spindle Speeds 40 to 2000 RPM
- ★ D1-6" Camlock – 3 Bearing Spindle
- ★ Inch-Metric Feed Box – Switchable
- ★ Super Stiff Bed – Ready for Future Tools
- ★ Leadscrew Reverse – Standard
- ★ Metric Threading without Spindle Reverse



FEATURES AND SPECIFICATIONS

MACHINE

★ Designed for the future	Swing over Bed and Saddle	16 in. (400mm)
★ The "complete" Inch-Metric lathe	Swing over Cross-Slide	10 in. (250mm)
★ Computer designed – dynamically tested	Distance between Centers	40, 60, 100 in. (1000, 1500, 2500mm)
★ Electric brake – self actuating	Main Drive Motor	10 H.P. (5.6 K.W.)
	Bar Capacity	2.0 in. (50.8mm)

HEADSTOCK

★ All hardened gears – no clutches	Spindle speeds	18
★ D1–6" three bearing spindle	Geometric speed range	40–2000 RPM
★ Direct reading speed dial	Spindle nose – camlock	D1–6"
★ Convenient Hi-Lo Neutral shifter	Spindle hole	2.06" (52.4mm)
	Spindle center	#4 M.T.

FEEDBOX – COMBINATION

★ Complete range of inch and metric threads – switchable	Feed & thread selections	66
★ Exclusive "dial in" feeds under power	Inch feed range	.0015–.105 in./rev.
★ Fully totally enclosed	Inch thread range	2 to 127 TPI
★ No transposing gears	Metric feed range	.04 to 2.67 mm/rev.
	Metric lead range (threads)	.2 to 14mm

APRON

★ Double walled – left side handwheel	Handwheel – one revolution	1.000 in. (25.4mm)
★ Feed reverse	Half nuts	Double
★ Leadscrew reverse	High speed threading to	800 RPM
★ Bi-direction auto carriage stop (feeds and threads)	Repeatability of auto carriage stop	±.005 in. (±.13mm)
	Feed torque control	Variable

CARRIAGE CROSS-SLIDE

★ One shot lube to carriage and cross-slide	Carriage length on bed	18.25 in. (465mm)
★ Combination Inch-Metric dials	Carriage bridge width	8.5 in. (215mm)
★ Extended cross-slide for tracer mount	Cross-slide length	20 in. (508mm)
★ Ball chasing stop	Cross-slide travel	8.5 in. (215mm)
★ Nitrided screw – anti-backlash nuts	Compound travel	3.8 in. (96mm)
	Direct reading dial graduation	.001 in. (.02mm)

TAILSTOCK

★ Heavy duty – quick double clamping	Quill diameter	2.44 in. (62mm)
★ Hardened quill with tang drive	Quill travel	5 in. (127mm)
★ Auto center eject – non locking handwheel	Morse taper with tang	#4 M.T.
	Offset	±.75 in. (±19mm)

BED & BASE

★ Grade 'A' meehanite	Bed width	11 in. (280mm)
★ Hardened ways – full length	Bed depth	15 in. (380mm)
★ Deep bed design	Bed length	96 in. (2440mm)
★ Chip clean out – front & rear	Base width	31 in. (790mm)
	Base length	104 in. (2630mm)

STANDARD EQUIPMENT

★ Full length rear splash guard	★ Standard 115V electric controls (208, 230/460 or 575 volt supply)
★ 10 in. (254mm) dia. dogplate	★ Operators handbook
★ #2 standard toolpost	★ Inspection Report
★ 2 – #4 M.T. dead centers	★ 2 year warranty on Standard-Modern parts
★ 1 – #4 M.T. spindle sleeve	★ Paint – Machine: Machine Tool Grey (E792) or Vista Green (E808)
★ Wrenches, keys, spare pins	

OPTIONAL ACCESSORIES

★ Telescopic Taper Attachment – ±10 deg. x 12" (305mm) stroke	★ Coolant System	★ J.I.C. electrics, etc.
★ Steady Rest – 6" (150mm) dia. plain or roller	★ 3 & 4 Jaw and Collet chucks	★ Live centers
★ Follower Rest – 2.5" (63mm) dia. plain or roller	★ Turret Toolpost	
★ Large toolmakers faceplate – 15" (380mm) dia.	★ Micrometer Carriage Stop – inch or metric	

SHIPPING DATA

★ Gross weight: 3050 lbs. (1386 kg) approx.
★ Crate: 36" W x 108" L x 60" H (.9m x 2.8m x 1.5m)

In our continuous quest for product improvement, we reserve the right to alter specifications.

PLANT:

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REPRESENTED BY: