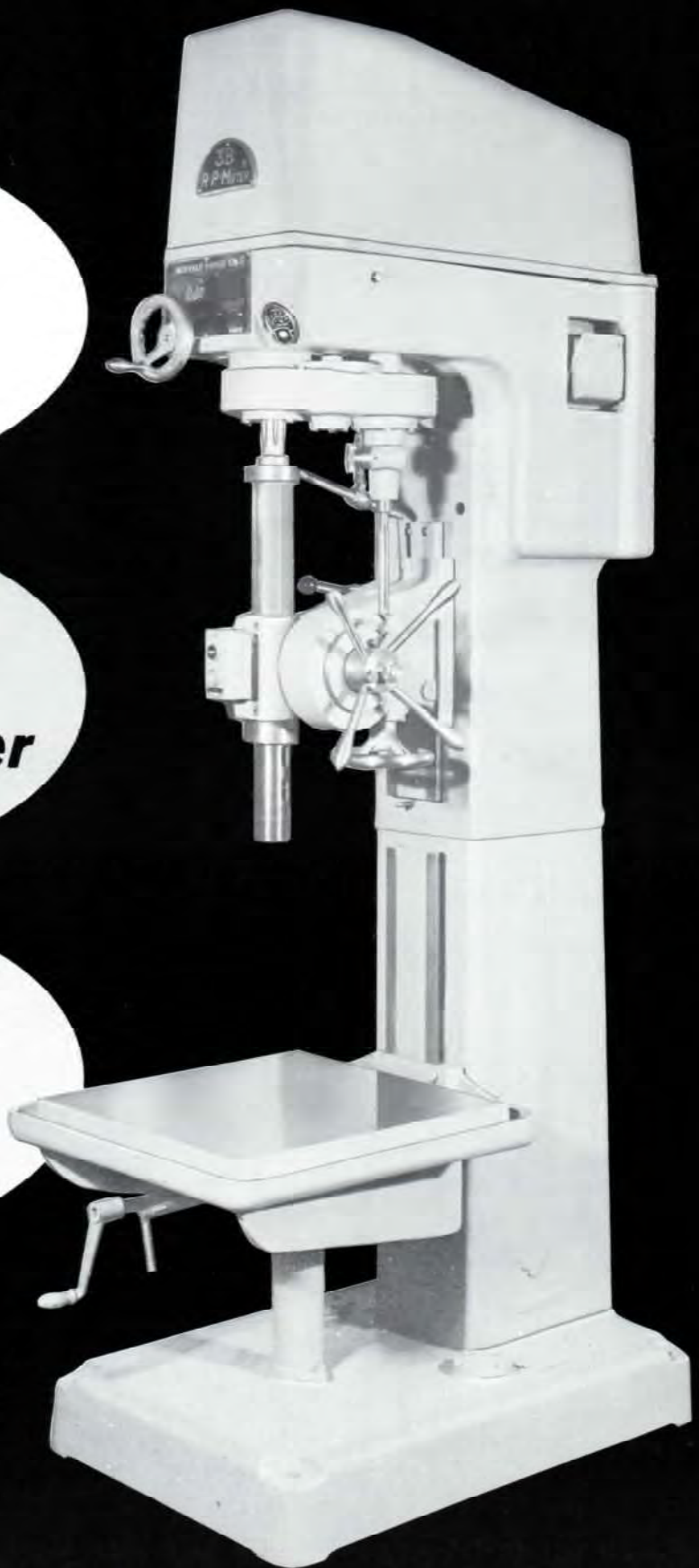


*“Buffalo”*

**new  
model B  
R-P-Mster<sup>®</sup>**

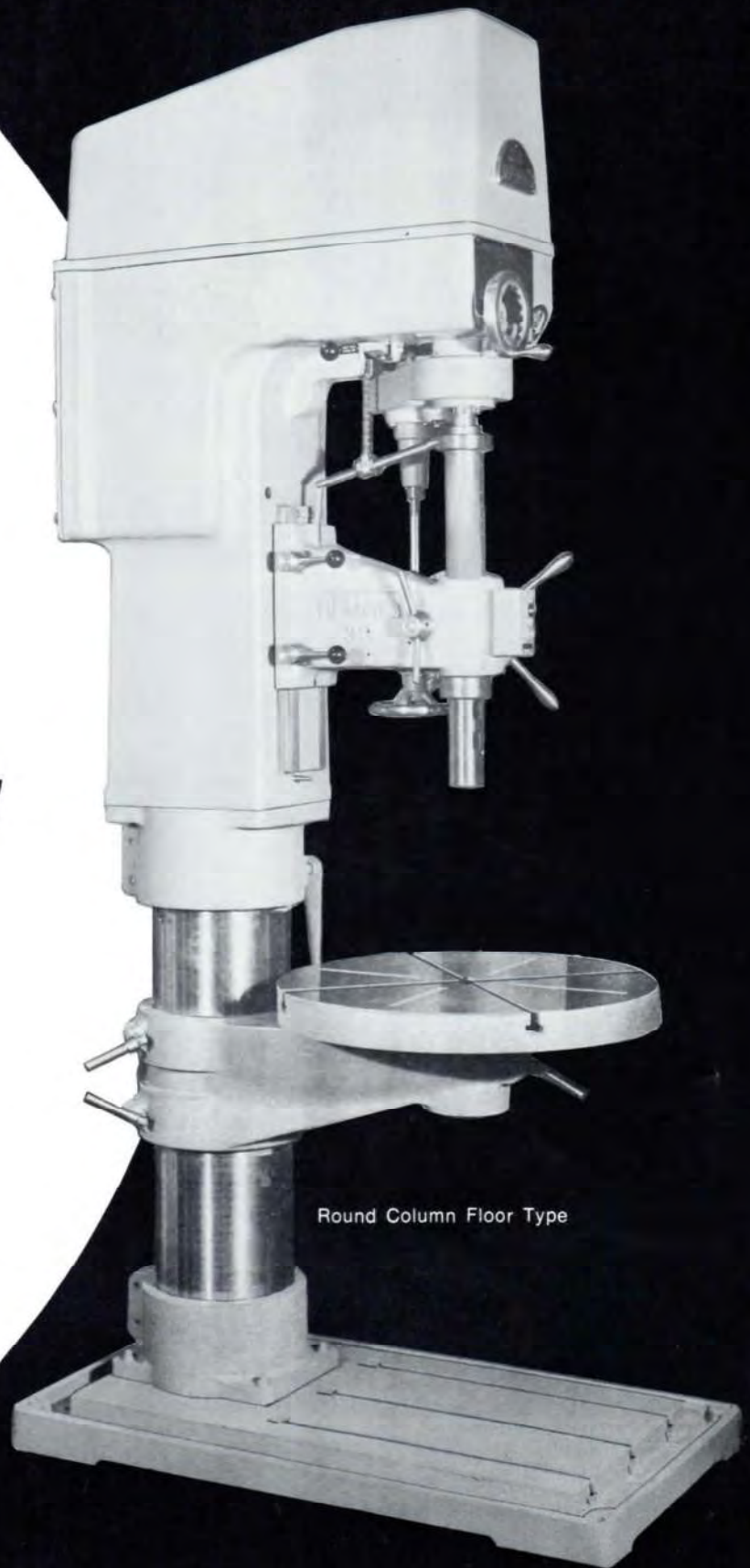
**Drilling  
Machines**





***provides an  
improved  
model in a  
variable speed  
drilling  
machine***

***new  
model **B**  
R-P-Mster***  
®



Round Column Floor Type

The original Buffalo R-P-Mster drills were pioneers in variable speed drilling. The Model A machines incorporated many refinements and improvements. The new Model B series represents the latest advances.

The increased capacity, speed range, ease of changing speeds and other improvements are spelled out in charted form. The utilitarian design, solid construction and accessibility of controls can save you time and money.

At the same time, fundamental design and performance characteristics of the job-tested R-P-Msters are retained to assure reliability and economy.

The new Model B R-P-Mster drilling machines are available in the pedestal type, one to six spindles, and in the round column floor type. Both arrangements are of extra heavy design, well ribbed and supported to assure vibration free drilling.

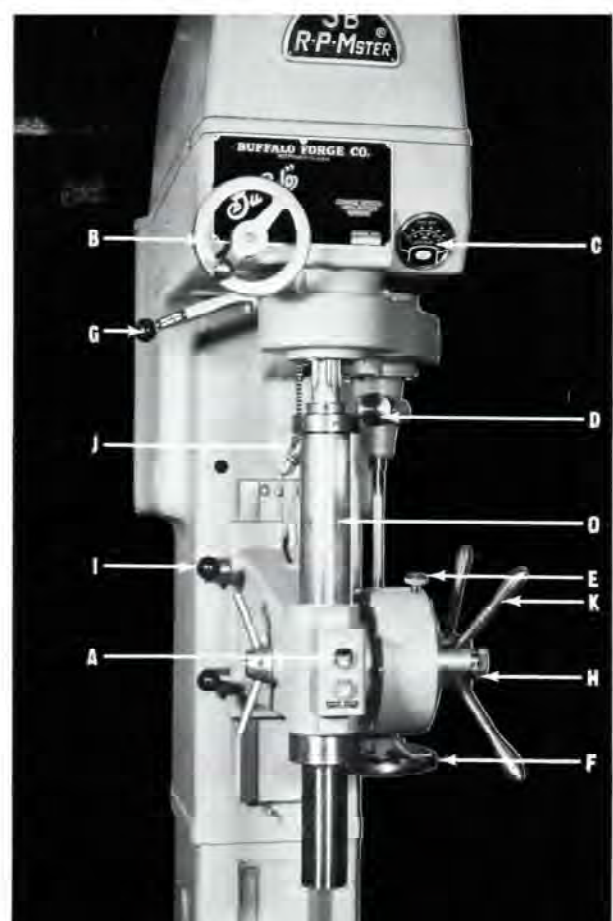
**POWER FEED** — this unit is a simple, fool-proof, rugged, all-g geared drive. Helical high speed gears are ball bearing mounted. "Pick-off" gears, with hardened steel inserts, prevent key-way wear. All moving parts are lubricated. The hardened tool steel worm is full ball bearing mounted to take thrust and radial loads. Clutch parts are hardened and tempered tool steel.

**COUNTER BALANCE BAR** — compensates for weight of various chucks or tools by regulating the spindle return, and counter balances the entire sliding head.

**SPINDLE** — Alloy steel spindle with six driving splines is mounted in precision bearings of ample size to carry both radial and thrust loads. Spindle nose is fitted with Morse Taper to allow high speed drills to be used to maximum capacity of the machine.

**SPINDLE SLEEVE (Quill)** — Rack teeth, cut integrally, eliminate large and clumsy combination key and rack. The key is separate and prevents lateral motion of the spindle sleeve. Ball bearings, in oversize cages, are mounted at the ends of the sleeve, and provide a greater ratio of bearing length to sleeve diameter in the sliding head.

Refer Bulletin 3257 for further details.



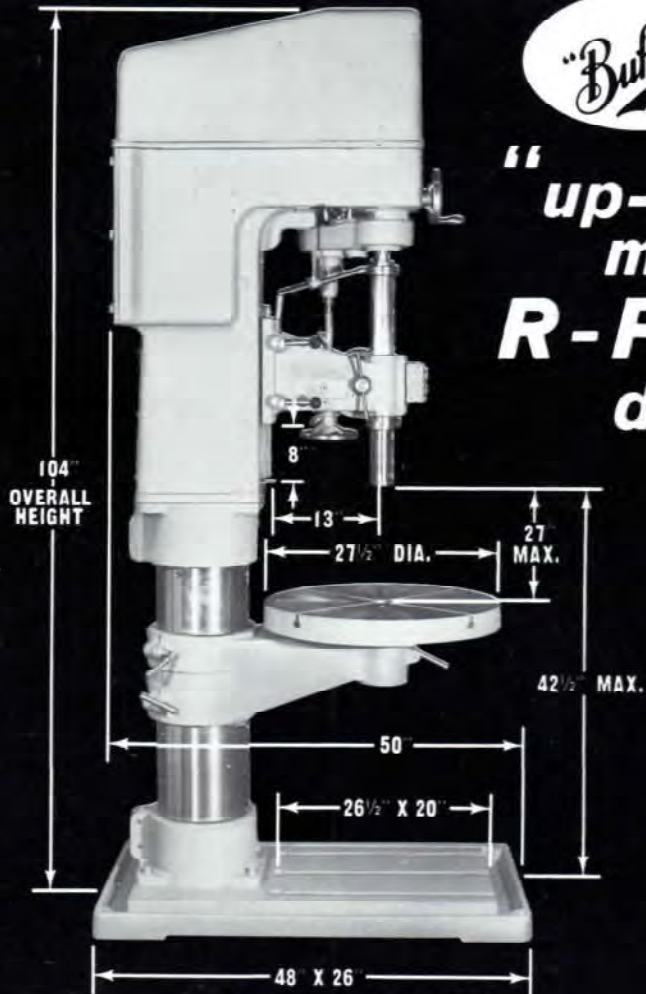
All Controls, Gages and Indicators are conveniently located within the operators reach in his normal working position.

- A Motor Start-Stop push button station
- B Speed Change Hand Wheel
- C Electric Speed Tachometer with Direct Drive Range and Back Gear Range
- D Rate of Feed Selector and Indicator
- E Depth Stop Selector and Indicator
- F Fine Feed Hand Wheel
- G Back Gear Shift Lever (One Motion Completely Engages or Disengages All Back Gears and Direct Drive Clutch)
- H Engaging Latch for Sensitive Hand Feed Drilling
- I Sliding Head Clamping Levers
- J Spindle Return Counter Balance Bar
- K Combination Sensitive Feed Handles and Power Feed Engaging Levers
- L Coolant Shut-Off Valve (not illustrated)
- M Table Clamp Lever (not illustrated)
- N Table Raising Crank (not illustrated)
- O Graduated Spindle Feed Sleeve

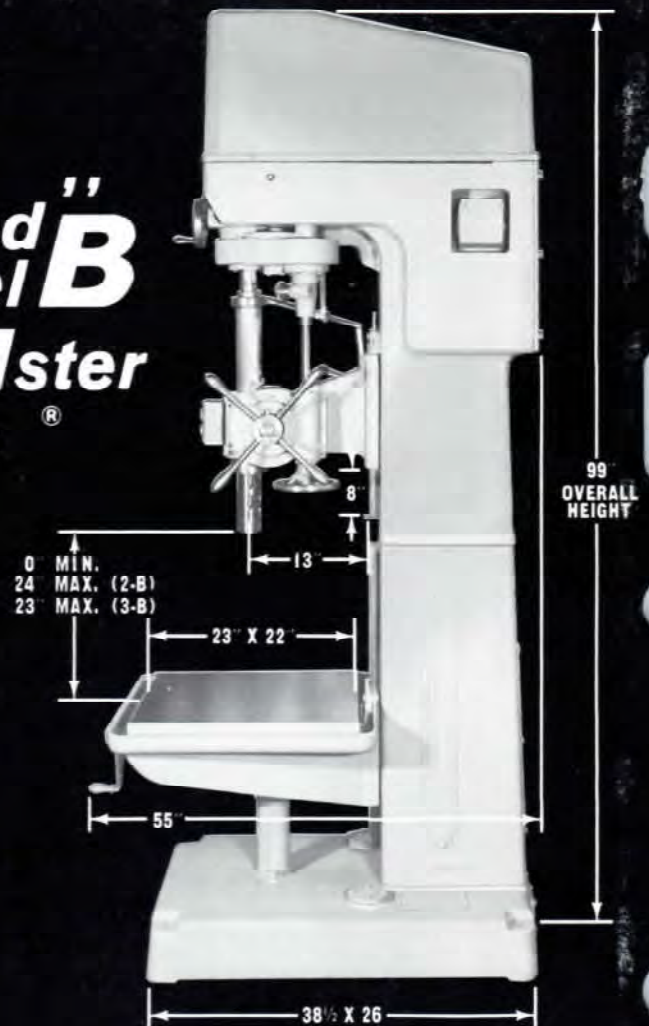
All machines are complete including motor, magnetic starter, push button station, back gears and power feed. Coolant system, reverse tapping controls and NMTBA or J.I.C. electricals are optional extras.



**"up-rated"  
model B  
R-P-Mster  
drills®**



Round Column Floor Type  
10.625" DIA. x .625" WALL COLUMN



Pedestal Type

MODEL	2B		3B	
	WAS	NOW	WAS	NOW
Capacity (mild steel)	1 1/2"	2"	2"	2 1/2"
Speed Range (infinitely variable)	75-1300	30-2000	75-1300	30-2000
Spindle Torque (ft. lbs.)	210	525	350	875
Back Gear Ratio	4:1	5.5:1	4:1	5.5:1
Motor Speed	1200	1800	1200	1800
Motor Horsepower	Standard Maximum	3 5	5 5	5 7 1/2
Spindle Centers of Multiple Spindle Drills	16"	19"	16"	19"
Speed Changer	LEVER	HAND WHEEL	LEVER	HAND WHEEL
Speed Indicator	DIAL	TACHOMETER	DIAL	TACHOMETER

\*CONTINUOUS RATING AT 100 RPM DRILL SPEED AND 0.014" PER REVOLUTION FEED WITH 7 1/2 HP MOTOR.

**BUFFALO FORGE COMPANY**  
**MACHINE TOOL DIVISION / BUFFALO, NEW YORK**  
**CANADIAN BLOWER AND FORGE CO., KITCHENER, ONT.**