

## Specifications

### TABLE

Size overall (standard) .....	10" x 48"
T-slots – number and size .....	Three - 5/8"
Distance between T-slots .....	2 1/4"
Dial graduations .....	0.001"

### RANGE

Longitudinal (46" table) .....	34"
Cross (standard) .....	14"
Vertical knee .....	16 1/2"
Center of table to column face .....	Max 19 1/2" – Min 5 1/2"

### VERTICAL SPINDLE

Quill .....	5"
Head tilt, forward and backward.....	45° - 0 - 45°
Head rotation, side to side .....	90° - 0 - 90°
	(and greater)
Turret rotation on column .....	360°
Spindle nose to top of table.....	Max 21 1/2" – Min 0"
Center of spindle to column face .....	Max 28 3/8" – Min 2 3/8"
Spindle nose .....	R8, #30 MMT
Quill feeds: (3) – per spindle revolution .....	.0015", 0.003", 0.006"
Spindle speeds, variable speed drive .....	Variable speed
	42 to 425 rpm back gear, 412 to 4200 rpm direct drive
Reverse .....	Yes
Motor Spindle .....	3 HP

### HORIZONTAL SPINDLE

Spindle housing rotation .....	±30°
Centerline spindle to table top.....	Max 16 1/2" – Min 0"
Spindle Nose .....	#40 milling machine taper with
	5/8" – 11 drawbar, (4) 1/2" – 13 tapped holes on a 2 5/8" B.C.
	with (2) 5/8" drive keys for face mills
Spindle speeds, variable speed drive .....	Variable speed
	42 to 425 rpm back gear, 412 to 4200 rpm direct drive
Reverse .....	Yes
Motor Spindle .....	3 HP
Arbor Length Accommodated .....	Max 18"

### OVERARM HORIZONTAL SPINDLE

Underside to centerline of spindle .....	7 7/8"
End of spindle to bushing in arbor support .....	20 1/2"

### FLOOR SPACE

Front to back .....	76"
Right to left .....	107"

### HEIGHT OVERALL

With vertical head .....	90"
Less vertical head .....	66"

### SHIPPING WEIGHT (Approximate)

With vertical head .....	3,600 lbs.
Less vertical head .....	3,300 lbs.

### Standard equipment supplied with machine

Spindle drive motor -  
 3 HP horizontal, with variable speed drive  
 3 HP vertical, with variable speed drive  
 Power feed to vertical quill  
 Electrical controls, including reversing switches and all wiring  
 One type "B" arbor support for (1.875" OD bearing)  
 One shot lubrication  
 Hand-scraped hard chrome ways  
 Way Covers

**Note:** Machine can be ordered complete with vertical head, or as a horizontal mill to which the vertical spindle can be added later.

### Optional equipment at extra cost

#40 MMT, 200 KS and 300 KS on vertical spindle  
 Overarm Brace  
 Type B arbor  
 Riser blocks  
 Column mounted light  
 5 HP Vector Drive spindle motors  
 Magnetic control (NFPA-79)  
 Longitudinal, cross, or knee power feed  
 Digital Read-out system  
 Power drawbar  
 Chip pan/flood coolant  
 Spray mist coolant  
 C.N.C. Controls

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**



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