

# CINCINNATI MACHINES

## MT/MTX KNEE TYPE VERTICAL MILLING MACHINES

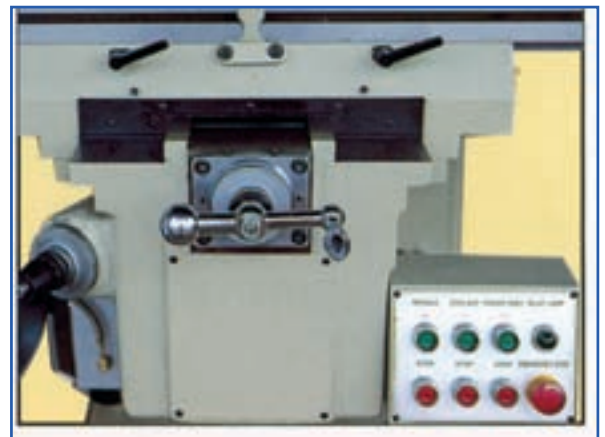


Cincinnati Machines MT/MTX Series Turret Head Vertical Knee Type Milling Machines are designed and manufactured from the ground up to provide many years of reliable and dependable service. Available in a variety of sizes and configurations and with a large compliment of available optional accessories, you are sure to find an MT or MTX milling machine to meet your needs.

### CONSTRUCTION FEATURES

- \*Heavy-duty meehanite castings
- \*Double anti-backlash feed nuts
- \*Double slide locks
- \*Hardened and ground table work surfaces
- \*Hardened and ground ways with Turcite
- \*Class 7 precision spindle bearings
- \*Chrome plated and ground quill
- \*Metered valve lubrication system
- \*Dynamically balanced VS pulley
- \*Rubber way covers

### HEAVY-DUTY MEEHANITE CASTINGS



## STANDARD EQUIPMENT

- \*Flood coolant system
- \*Push button pendant on knee
- \*Low voltage controls
- \*Spindle brake

## OPTIONAL ACCESSORIES

- \*Powerfeed table and/or cross or vertical
- \*Digital readout
- \*Chip pan
- \*Right angle milling head
- \*4", 6", and 8" riser block
- \*6" or 8" vise
- \*Automatic lubrication pump
- \*Power drawbar
- \*R8 collets

## PRECISION SPINDLE BEARINGS



## HEAVY-DUTY MEEHANITE CASTINGS



## ANTI-BACKLASH DOUBLE FEED NUTS



## DYNAMICALLY BALANCED VS PULLEY



MODEL	3MT	4MT	4MTX	5MTX
<b>SPECIFICATIONS</b>				
Table size	9x49	10x50	10x50	12x50
Table travel	36	36	36	36
Maximum table load	750 lbs	750 lbs	1100 lbs	1100 lbs
Cross travel	13	16	17	17
Vertical knee travel	16	16	18	18
T-slots	(3) 5/8	(3) 5/8	(3) 5/8	(4) 5/8
Ram travel	17	21	24	21
Ram swivel	360°	360°	360°	360°
Quill diameter	3.375	3.375	3.375	4.125
Quill Travel	5	5	5	6
Quill power feed rates	0.0032, 0.0017, 0.0053 inches per revolution			
Head tilt (left to right)	+/-90°	+/-90°	+/-90°	+/-90°
Head tilt (front to back)	+/-45°	+/-45°	+/-45°	+/-45°
Spindle nose-table	3-18	2-18	3-20	2-20
Spindle C/L to column	3-20	3-27	3-24	6-28
Spindle taper	R8	R8 or 30	R8 or 30	40 taper
Spindle speeds (rpm)	60-4200	60-4200	60-4200	60-3800
Spindle power	3 hp	3 hp	3 hp	5 hp
Way type	Dovetail	Dovetail	Square	Square
Way width	2.5	3.5	4.125	4.125
Saddle width	18	22.5	23.5	24.5
Knee width	12	13.5	15.5	15.5