



# GMV-4

## 12" X 54" Heavy Duty 40-Taper Milling Machine

- + 5-HP spindle motor
- + #40 taper heavy duty spindle
- + Hardened and ground square boxways in "Y" and "Z"
- + Hardened and ground table and T-slots
- + Hardened, ground and chrome-plated quill
- + ABEC class-7 precision spindle bearings
- + Built-in 1.5-HP knee powerfeed

<b>Table</b>	
Table Size (W x L)	12" x 54" (305 x 1372mm)
T-slot Width (3 Ground T-Slots)	5/8" with ground reference edges (15.9mm wide)
Table Capacity	1200lbs
<b>Machine Travels &amp; Capacity</b>	
Table Travel – X Axis (With Power Feed)	36" / 33.8" (914 / 860mm) / 32" (812mm)
Cross Travel – Y Axis	16" (400mm)
Vertical Knee Travel – Z Axis	16" (406mm)
Ram Travel (Overarm) / Swivel	17.7" (450mm)
Spindle Nose-to-Table Surface Travel	2" – 18" (50 – 457mm)
Quill Travel - Manual & Power Feed	5" (127mm)
Quill Feeds - With Trip Release - Inch	0.0015" / 0.003" / 0.006"
Quill Feeds - With Trip Release - Metric	0.04mm / 0.08mm / 0.16mm
Quill Diameter	4.13" (105mm)
Leadscrew ground pitch (X & Y)	0.2" per rev. (5mm)
<b>Slide Ways</b>	
Hardened & Ground Meehanite Cast Iron	
Longitudinal Table –X Axis	Hardened & Ground Dovetail Ways
Cross Slide to Knee –Y Axis	Hardened & Ground Square Box Ways
Knee to Column – Z Axis	Hardened & Ground Square Box Ways
<b>Spindle Head</b>	
Head Tilt (Left-to-Right)	90° – 0 – 90°
Head Tilt (Front-to-Back / Up-Down)	45° – 0 – 45°
Head Swivel	360°
Spindle Motor	5 HP / 3 Phase / 220 Vac.
Spindle Taper	NT #40 NMTB N.S. Spindle Taper
Spindle Runout	0.0002" maximum runout (0.005mm)
Spindle Bearings	ABEC-7 matched set of Class-7 bearings
Variable Speed Drive - Dual Range	80 –520 rpm (low-range) / 520 –4000 rpm (high-range)
<i>NOTE: 5,000 RPM Electronic Variable-Speed Spindle available with optional AC Inverter Spindle Head</i>	
<b>Dimensions &amp; Weight</b>	
Power Requirements 3-Phase Power	220 vac @ 22-amps
Machine Weight	3520 lbs. (1,600 kg)
Coolant Capacity	11-Gallons (41 liters)