



GMV-4 CNC

12" X 54" 40-Taper Heavy Duty CNC Plus Mill

- + Full Manual & CNC Capability
- + Ideal for R&D Toolroom shops
- + Easy to use CNC Control
- + Precision Ball Screws
- + Rugged Meehanite castings with high density cast iron
- + Hardened & Ground Table ways
- + Class 7 Spindle Bearings
- + 3rd Axis DRO included with 2 Axis CNC Mills

Table	
Table Size (W x L)	12" x 54" (254 x 1372mm)
Table Travel with CNC Control	33.5" (850mm)
Travel Capacity	1200lbs
T-Slot Width (3 T-Slots)	5/8" T-Slots with ground reference edges (15.9mm wide)
Machine Travels & Capacity	
Table Travel – X Axis	34.75"
Cross Travel – Y Axis	14"
Knee Travel	16" (406mm)
Ram Travel	17.7" (450mm)
Spindle Nose-to-Table Surface Travel	2" – 18" (50 – 457mm)
Ballscrew ground pitch (X & Y)	0.2" per rev.
Adjustable scale ring resolution	0.001" (0.0254mm)
Slide Ways	
<i>Hardened & Grounded Meehanite® Processed Cast Iron</i>	
Longitudinal Table - Z Axis	Hardened & Ground Dovetail Ways
Cross Slide to Knee - Y Axis	Hardened & Ground Square Box Ways
Knee to Column	Hardened & Ground Square Box Ways
Spindle Head	
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 208 - 240 vac.
Spindle Taper	NMTB #40 N.S. Taper
Spindle Runout	0.0002" maximum runout (0.005mm)
Spindle Bearings	Fafnir ABEC-7 Matched set of Class-7 Bearings
Variable Speed Drive - Dual Range	80 - 520 rpm (low-range) / 600 - 4000 rpm (high-range)
<i>Note: 5,000 RPM Electronic Variable-Speed Spindle available with the optional AC Inverter Spindle Head</i>	
Quill	
Quill Travel - CNC Z-Axis	5" (127mm) Manual & Power Feed w/o 3rd CNC Axis
Quill feeds (per rev.) with Trip Release - Inch	0.0015" / 0.003" / 0.006"
Quill feeds (per rev.) with Trip Release - Metric	0.04mm / 0.08mm / 0.16mm
Quill Diameter	4.13" (105mm)
Dimensions & Weight	
Power Requirements 3-Phase	208 - 220 vac. ±5% @ 22 amps (440 vac optional) / 110 vac 20-am dedicated service required for CNC Control
Coolant Capacity	11 Gallons. (41 liters)
Machine Weight	1600 Kgs