



# GMV-5 CNC

## 12" x 54" Heavy Duty CNC Plus Mill

- + FAGOR 8055 MC CNC Teach Control
- + 12" x 58" Hardened & Ground Work Table
- + Box Ways on Saddle & Column for High Cutting Rigidity
- + Tilting-Head Solutions Available for Angle Work
- + #40 Taper Spindle with Class-7 Precision Fafnir Spindle Bearings
- + 5-HP Motor w/ 80 - 4,000 RPM Spindle Speeds
- + Precision Double-Nut Preloaded Ballscrews
- + Spring-Loaded Way Covers for Saddle and Column
- + Knee Power-Feed & Hard-Chrome Plated Quill

<b>Table</b>	
Table Size (W x L)	12" x 58" (305 x 1,473 mm)
Table Travel with CNC Control	33.5" (850 mm)
Travel Capacity	1,500 lbs
T-Slot Width (3 T-Slots)	5/8" T-Slots with ground reference edges (15.9 mm wide)
<b>Machine Travels &amp; Capacity</b>	
Table Travel – X Axis	34"
Cross Travel – Y Axis	15"
Knee Travel	16" (406 mm)
Ram Travel	17.7" (450 mm)
Spindle Nose-to-Table Surface Travel	2" – 18" (50 – 457 mm)
Ballscrew ground pitch (X & Y)	200" per rev (5 mm)
Adjustable scale ring resolution	0.001" (0.0254 mm)
<b>Slide Ways</b>	
<i>Hardened &amp; 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
<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 208 - 240 vac
Spindle Taper	NMTB #40 N.S. Taper
Drawbar Thread	5/8" - 11
Spindle Runout	0.0002" maximum runout (0.005 mm)
Spindle Bearings	Fafnir ABEC - 7 Matched set of Class-7 Bearings
Variable Speed Drive - Dual Range	80 - 520 RPM (low-range) / 600 - 4,000 RPM (high-range)
<i>Note: 5,000 RPM Electronic Variable-Speed Spindle available with the optional AC Inverter Spindle Head</i>	
<b>Quill</b>	
Quill Travel - CNC Z-Axis	5" (127 mm) 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	0.04 mm / 0.08 mm / 0.16 mm
Quill Diameter	4.13" (105 mm)
<b>Dimensions &amp; Weight</b>	
Power Requirements 3-Phase	208 - 220 vac ±5% @ 22 amps (440 vac optional) / 110 vac 20-amp dedicated service required for CNC Control
Coolant Capacity	11-Gallons (41 liters)
Machine Weight	3,900 lbs