



GMV-1F / 2F CNC

9" X 42"- 50" CNC Plus Mill

- + 3-Horsepower Variable Speed Head
- + Class-7 Super Precision Spindle Bearings
- + Hard-Chrome Plated and Mirror Ground Quill
- + Hard-Chrome Plated X & Y Axis Ways
- + 9" x 42" Table Dimensions
- + Coolant Proof Halogen Lamp Standard

Table	
GMV-1F Table Size (W x L)	9" x 42"
GMV-2F Table Size (W x L)	9" x 50"
T-Slot Width (3 T-Slots)	5/8" T-Slots with ground reference edges (15.9mm)
Table Load Capacity (Evenly Distributed)	GMV-1F (850lbs) GMV-2F (900lbs.)
Machine Travels & Capacity	
<i>Travels may be reduced by limit switches, ballscrew bumpers, CNC etc</i>	
Table Travel – X Axis (under CNC control)	GMV-1F 26" GMV-2F 31.5"
Cross Travel – Y Axis	11.4"
Knee Travel – Z Axis	16" (406mm)
Ram Travel	17.7" (450mm)
Spindle Nose-to-Table Surface Travel	2" – 18" (50 – 457mm)
Quill Travel - Z Axis in 3-Axis Version	5" (127mm) (manual & Powerfeed travel w/o 3rd)
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	3 – 3/8" (85.725mm)
Ballscrews (X & Y)	0.200" per rev.
Adjustable scale ring display resolution	0.001" (5mm)
Spindle Head	
Head Tilt (Left-to-Right)	90° – 0 – 90°
Head Tilt (Front-to-Back / Up-Down)	45° – 0 – 38°
Head Swivel	360°
Spindle Motor	3 HP / 3 Phase / 208 – 240 vac.
Spindle Taper	R-8 (ISO 30-taper optional)
Spindle Runout	0.0002" maximum runout (0.005mm)
Spindle Bearings	Fafnir ABEC-7 matched set of Class-7 bearings
Variable Speed Drive - Dual Range	60 – 500 rpm (low-range) / 500 – 4500 rpm (high-range)
<i>NOTE: 6,000 RPM Spindle available with optional AC Inverter Spindle Head</i>	
Dimensions & Weight	
Power Requirements	220 vac ±5% / 3-Phase
Machine Weight	2407 lbs. (1200 Kgs)