



GMV-1F

9" x 42" Precision Milling Machine

- + 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	
Table Size (W x L)	9" x 42" (230 x 1,067 mm)
T-slot Width / Quantity	5/8" / 3 on 2.5" centers
Table Load Capacity	400 lbs (181 kg)
Table Load Capacity (Evenly Distributed)	850 lbs (385 kg)
Table Surface to Floor Dimension	32" - 48" (820 - 1,226 mm)
Machine Travels & Capacity	
Table Travel - Longitudinal - X Axis	30" (762 mm)
Table Travel with Power Feed	24.8" (630 mm)
Cross Travel - Y Axis	12" (305 mm)
Vertical Knee Travel - Z Axis	16" (406 mm)
Overarm (ram) Travel	12" (305 mm)
Overarm Swivel	360°
Spindle Nose-to-Table Surface	0" - 18.5" (0 - 469 mm)
Spindle Centerline to Column Face	6.75" - 18.75" (171 - 476 mm)
Leadscrews with ground pitch surface (X & Y)	0.200" per rev
Ways - X, Y & Z Axes - Hard Chrome Plated	Hardened & Ground Dovetail Ways
Spindle Head (Vari-Speed)	
Spindle Motor	3-HP / 3-Phase 220 volts (440 Optional)
Spindle Taper (hardened & ground)	R - 8
Spindle Runout	0.00008" maximum runout (0.002 mm)
Spindle Bearings ABEC - 7 matched set	Class-7 Bearings
Variable Speed Spindle	60 - 4,500 RPM
Head Tilt (Left-to-Right)	90° - 0 - 90°
Head Tilt (Front-to-Back / Up-Down)	+45° - 0 - -38°
Head Swivel on Turret	360°
Quill	
Quill Diameter	3-3/8" (85.725 mm)
Quill Travel - Manual & Power Feed	5" (127 mm)
Quill feeds - With Trip Release - Inch	0.0015" / 0.003" / 0.006"
Quill feeds - With Trip Release - Metric	0.04 mm / 0.08 mm / 0.16 mm
Dimensions & Weight	
Machine Weight	2,222 lbs (1,010 kg)
Electrical Requirements - 220 volts	3-Ph / 60 Hz / 9.5 amps