



**GANESH
MACHINERY**
The Edge in Cutting.

20869 Plummer St. Chatsworth, CA 91311

Toll Free: 888-542-6374 (US only)

Phone: 818-349-9166 | Fax: 818-349-7286

www.ganeshmachinery.com

GANESH Super Precision Milling Machine GMV-4 (12"X 54") Heavy-Duty



- **Class-7 Super Precision Fafnir Spindle Bearings**
- **5-Horsepower Variable Speed Head**
- **80 – 3,600 RPM Spindle Speeds (5,000 RPM Inverter Spindle Optional)**
- **Square Box Ways on Knee & Column - Y & Z Axis**
- **1.5-Horsepower Knee Power Feed Motor**
- **Automatic Lubrication System for Slideways and Leadscrews**
- **Hard-Chrome Plated Quill**
- **40-Taper Spindle**
- **1-Year Warranty**

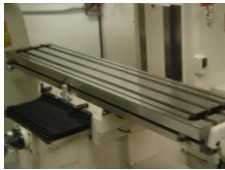
STANDARD GANESH GMV-4 MACHINE FEATURES:

Machine Construction:



- Meehanite Castings, fine grain and high density cast iron using the superior Meehanite process yields superior vibration dampening and improved surface finish and tool life
- Built-in leveling ledge to level machine low to ground

Bed ways:



- Turcite-B Premium *Red Furon* Coated way surfaces (*Made in USA*)
- Hardened and Ground extra wide Box Way saddle for heavy-duty cutting performance
- Hardened and Ground Square Box Ways on Column and Knee
- Hardened and Ground Machine Table for enhanced wear resistance. Dovetail ways for longitudinal axis.

Spindle:



- 5-HP Spindle Motor
- #40-taper spindle for superior metal removal capability
- Fafnir ABEC Class-7 matched *Super Precision* spindle bearings
- Hardened, ground and polished precision Back Gear for quiet operation
- **Two high-output fans on spindle motor to provide extra cooling**
- Forward/ Reverse spindle switch housed in an oil-tight switch box
- 3,600-RPM Spindle with 0.0002" maximum spindle runout – guaranteed!
- 5,000 RPM Spindle available w/ an optional AC Inverter Spindle Head

Quill:

- Power quill feed with 3-feeds and adjustable feed stop & automatic feed trip release
- Hardened and Ground Quill – **Hard chrome plated** for a long service life
- Quill return spring (Made in USA)

Machine Features:

- Hi -Torque knee powerfeed included to enhance operator efficiency
- Multiple knee and table locks for superior rigidity
- T-slots ground to 5/8" to fit standard workholding nuts
- Automatic Metered Lubrication for slideways and lead screws
- Spring Loaded way cover is included for added safety and protection of machine
- Built-in coolant pump is included
- Coolant & Chip Tray is included
- Water resistant halogen lamp is included
- Inspection Report on accuracy, Instruction Manual, Tools and Tool Box all included
- Large compliment of parts and accessories in stock to ensure continued operation

**THE BEST MILLS IN THE INDUSTRY!
BACKED BY A FULL - SATISFACTION GUARANTEE**

STANDARD GANESH GMV-4 MACHINE SPECIFICATIONS:

TABLE –

Table Size:	12" X 54" (254mm X 1372mm)
Table Travel / (With Power Feed)	36" (914mm) / 32" (812mm)
Table Capacity	1200 lbs
T-slot width (3 Ground T-Slots)	5/8" with ground reference edges (15.9mm wide)

MACHINE TRAVELS & CAPACITY –

Table Travel – X axis / (With Power Feed)	36" (914mm) / 32" (812mm)
Cross Travel – Y axis	16" (400mm)
Knee Travel – Z axis	16" (406mm)
Ram Travel	17.7" (450mm)
Spindle Nose-to-Table Travel	2" – 18" (50 - 457mm)
Quill Travel – Manual & Power Feed	5" (127mm)
Quill feeds – With Trip Release	0.0015", 0.003", 0.006" (0.038mm, 0.076mm, 0.152mm)
Quill Diameter	4.13" (105mm)
Leadscrews with ground pitch (X & Y)	200" per rev. (5mm) (ballscrews available)
Adjustable scale ring resolution	0.001" (0.0254mm)

Slide Ways -	Hardened & Ground Meehanite Cast Iron
Longitudinal Table – Z 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

SPINDLE HEAD –

Head tilt (Left-to-Right)	90 – 0 – 90 degrees
Head tilt (Front-to-Back / Up-Down)	45 – 0 – 45 degrees
Head Swivel	360-degrees
Spindle Motor	5-HP, 3-Phase 208–240 vac, (5-HP option)
Spindle Taper	40-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 - 3600 rpm (high-range)

Note: 5,000-RPM Electronic Variable-Speed Spindle available with the optional AC Inverter Spindle Head

DIMENSIONS & WEIGHT –

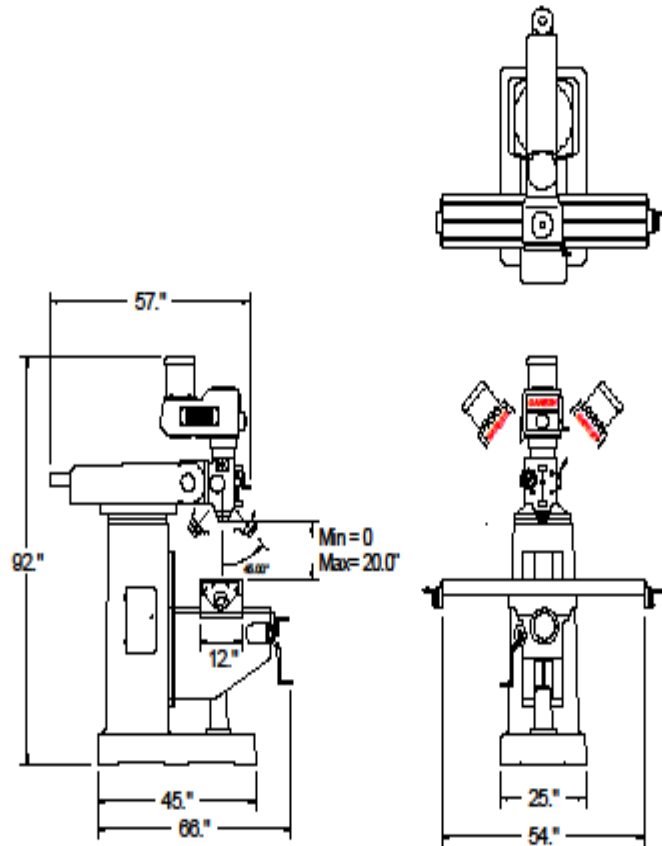
Power Requirements	3-Phase 220 vac @ 44-amps (440 vac optional)
Coolant Capacity	11-Gallons (41 liters)
Machine weight	3528 lbs


**The Ganesh GMV - 4 is manufactured in our
Certified ISO 9001 Production Facility in TAIWAN.**

Floor Plan Layout

Note:
Add 5" to machine height
for machines with inverter
head.

Power: 220 VAC, 5Phase, 22 amps, (With power knee)
Power: 440 VAC, 5Phase, 11 amps, (With power knee)
Coolant: 11gallons (41 liters)



	DESCRIPTION				
	GMV-4 Knee Mill				
	DRAWN	DATE	ORDERED	DATE	APPROVED
	DBS				
SCALE	NO.	QUANTITY		REV.	
N/A					
UNIT / MEAS		INT.	OF		

Prices and specifications subject to change without prior notice.