

# **GANESH GMV-3F Milling Machine** **(10" X 54") Table Size**



- **Class-7 Precision Spindle Bearings**
- **3-Horsepower Variable Speed Spindle**
- **Square Box Slideways on Y & Z Axes**
- **Hard-Chrome Plated, Ground & Lapped Quill**
- **R-8 Taper Spindle**

## **STANDARD GANESH GMV-3F 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

### **Bed ways:**

- Hardened and Ground Square Box Way on Y & Z-Axes
- Z-axis box way designed for heavy-duty machining
- Turcite-B Premium Coated way surfaces in the X & Y-Axes
- Hardened and Ground Machine Table Surface for wear resistance

### **Spindle:**

- 3-HP Spindle Motor for superior metal removal capability
- Spindle made from one-piece Ni-Cr alloy steel
- Spindle supported by two precision angular contact and one ball bearing to ensure rigidity
- ABEC Class-7 matched Precision spindle bearings
- Hardened, ground and polished precision Back Gear for quiet spindle operation
- Forward/ Reverse switch housed in an oil-tight switch box
- Rigid head tilting system

### **Quill:**

- Power quill feed with 3-feeds and adjustable feed stop with automatic feed trip release
- Hardened and Ground Quill – **Hard chrome plated & lapped** for a long service life
- Quill inner taper hardened & precision ground to less than 0.00008" (0.002mm)
- Quill Assembly Total Runout – less than 0.0002"
- Quill return spring

### **Machine Features:**

- Adjustable inch calibrated scale rings in all axes
- Multiple knee and table locks for superior rigidity
- T-slots ground to 5/8" to fit standard workholding nuts
- One-Shot machine lubrication for slideways and lead screws
- Cross way cover included for added protection of machine ways
- 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

**Machine operation and service manuals are provided with each machine in electronic format on a USB memory stick. Printed manuals are also available for your use for a \$150 printing fee.**

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

## **STANDARD GANESH GMV-3F MACHINE SPECIFICATIONS:**

### **TABLE –**

<b>Table Size:</b>	10" X 54" (254mm X 1372mm)
<b>T-slot width</b> (3 Ground T-Slots on 2.5" centers)	5/8" (15.9mm wide)
<b>Table Height - surface to floor adjustment</b>	37.4" – 52.8" (950-1340mm)
<b>Table Load Maximum – for rated accuracy</b>	440 pounds (200 Kg)

### **MACHINE TRAVELS & CAPACITY –**

<b>X - Table Travel /</b> (With optional Power Feed)	35.03" (890mm) / 32" (812mm)
<b>Y - Cross Travel</b>	16.3" (415mm)
<b>Z - Knee Travel</b>	15.75" (400mm)
<b>Ram Travel</b> (Overarm) / Swivel	18.5" (470mm) / 360°
<b>Spindle Nose-to-Table Surface Travel</b>	5.3" – 20.7" (135 - 525mm)
<b>Z<sup>2</sup> - Quill Travel – Manual &amp; Power Feed</b>	5" (127mm)
<b>Quill feeds – With Trip Release</b>	0.0015", 0.003", 0.006" (0.038mm, 0.076mm, 0.152mm)
<b>Quill Diameter</b>	3-3/8" (85.725mm)
<b>Leadscrew ground pitch (X &amp; Y)</b>	200" per rev. (ballscrews optional)
<b>Scale ring resolution in inches</b>	0.001" (5mm) (with adjustable zero position)
<b>Ways – Hardened &amp; Ground</b>	Dovetail Ways in X axis Square Box Ways in Y & Z-axes

### **SPINDLE HEAD –**

<b>Spindle Motor</b>	Twin Swivel – Forward-Back & Left-Right
<b>Spindle Taper – Hardened &amp; Ground</b>	3-HP, 3-Phase 220 vac (440 vac optional)
<b>Spindle Runout</b>	R-8
<b>Spindle Bearings</b>	0.0002" maximum runout (0.005mm)
<b>Variable Speed Drive - Dual Range</b>	ABEC-7 matched set Class-7 bearings
	60 - 500 rpm (low-range) / 500 - 4500 rpm (high-range)
<b>Head tilt</b> (Left-to-Right)	90 – 0 – 90 degrees
<b>Head tilt</b> (Front-to-Back / Up-Down)	45 – 0 – 45 degrees
<b>Head Swivel</b>	360-degrees

### **DIMENSIONS & WEIGHT –**

<b>Power Requirements - 3-Phase Power</b>	220vac, 15 amps (440vac optional)
<b>Machine Weight</b>	2750 lbs. (1250 Kgs)
<b>Machine Dimensions LxWxH</b>	65" x 66" x 87"

**- ONE FULL YEAR WARRANTY PROVIDED –**

**- Specifications and pricing subject to change without prior notice –**

**The Ganesh GMV – 3F is manufactured in our  
Certified ISO 9001 Production Facility in TAIWAN.**