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GANESH GMV-3F CNC

2 & 3 Axis CNC Milling Machines



- **FAGOR 8055 MC CNC Teach Mill Control**
- **Full CNC Capability - No CNC Experience Required**
- **Full Manual Capability with Teach-In-Playback Capability**
- **10" x 54" Table Hardened & Ground Table**
- **Box Ways on Saddle and Column for Superior Cutting Rigidity**
- **Tilt Head Solutions Available for Angle Work**
- **3-HP Motor w/ 60-4500 RPM Spindle Speeds**
- **Features Class-7 Precision Spindle Bearings**
- **Precision Double-Nut Preloaded Ballscrews**
- **Way Covers for Saddle and Column Protection**
- **Knee Power Feed & Hard-Chrome Plated Quill**

STANDARD MACHINE FEATURES:

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
- Precision preloaded zero-backlash ball screws

SPINDLE –

- 3-HP Spindle Motor for superior metal removal capability
- Dual Range Variable Speed Spindle - 60 - 500 rpm (low-range) / 500 - 4500 rpm (high-range)
- Class-7 precision spindle bearings
- Spindle Runout 0.0002" maximum – guaranteed! (R8 spindle)
- Forward/ Reverse switch mounted in a water tight switch box
- Hardened, ground and polished precision Back Gear
- Note: Floating tapping holders required for tapping

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

BEDWAYS –

- Turcite-B Coated way surfaces
- Hardened and Ground Square Box Sideways for Column and Knee
- Hardened and Ground Table and dovetail longitudinal slideway
- Hardened and Ground Quill – Hard chrome plated for long service life

FEATURES –

- Conversational CNC Control with help menus for ease of use
- Hi -Torque 1.5-HP knee power feed included to enhance operator efficiency
- Table T-slots ground to 5/8" to fit standard workholding nuts
- Automatic Metered Lubrication for all slideways and ballscrews
- Way covers for saddle & knee included for added safety and protection
- 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 ta Ganesh to ensure continued operation

**CNC KNEE MILLS PROVIDE THE FLEXIBILITY FOR EASY SETUPS
AND QUICK CHANGEOVER THAT CAN'T BE ACHIEVED WITH BED MILLS OR VMC's.
GANESH CNC PLUS MILLS ARE THE BEST TOOLROOM SOLUTION!
INCREASE YOUR EFFICIENCY AND PRODUCTIVITY!!**

STANDARD GANESH GMV-3F CNC SPECIFICATIONS:

TABLE –

Table Size:	10" X 54" (254mm X 1372mm)
T-slot width (3 Ground T-Slots)	5/8" ground reference edges (15.9mm wide)

MACHINE TRAVELS & CAPACITY –

Table Travel under CNC Control / X-Axis	34.5" (875mm)	Travel may be reduced by CNC limit switches!
Cross Travel - Saddle / Y-Axis	16.3" (415mm)	
Ram Travel	15.75" (400mm)	
Knee Travel	16" (406mm)	
Spindle Nose-to-Table Surface Travel	2" – 18" (50 - 457mm)	
Quill Travel – CNC Z-Axis	5" (127mm)	Manual & Power Feed w/o 3 rd axis
Quill feeds – With Trip Release	0.0015", 0.003", 0.006" (0.038mm, 0.076mm, 0.152mm)	
Quill Diameter	3-3/8" (85.725mm)	
Ballscrew ground pitch (X & Y)	200" per rev.	
Adjustable scale ring resolution	0.001" (5mm)	
Ways – Hardened & Ground	Square Box Way in Y & Z-axis Dovetail Ways in X-axis	

SPINDLE HEAD –

Spindle Motor	3-HP
Spindle Taper	R-8 (#30-taper & #40-taper optional)
Spindle Runout	0.0002" maximum runout (0.005mm)
Spindle Bearings	ABEC-7 matched set Class-7 bearings
Variable Speed Drive - Dual Range	60 - 500 rpm (low-range) / 500 - 4500 rpm (high-range)
Head tilt (Left-to-Right)	90 – 0 – 90 degrees
Head tilt (Front-to-Back / Up-Down)	45 – 0 – 45 degrees
Head Swivel	360-degrees

DIMENSIONS & WEIGHT –

Power Requirements – 3-phase	220vac, 21 amps
Machine Dimensions LxWxH	65" x 66" x 87"
Machine Weight	3482 lbs. (1600 Kgs)

- ONE FULL YEAR WARRANTY PROVIDED –

- Specifications and pricing subject to change without prior notice –

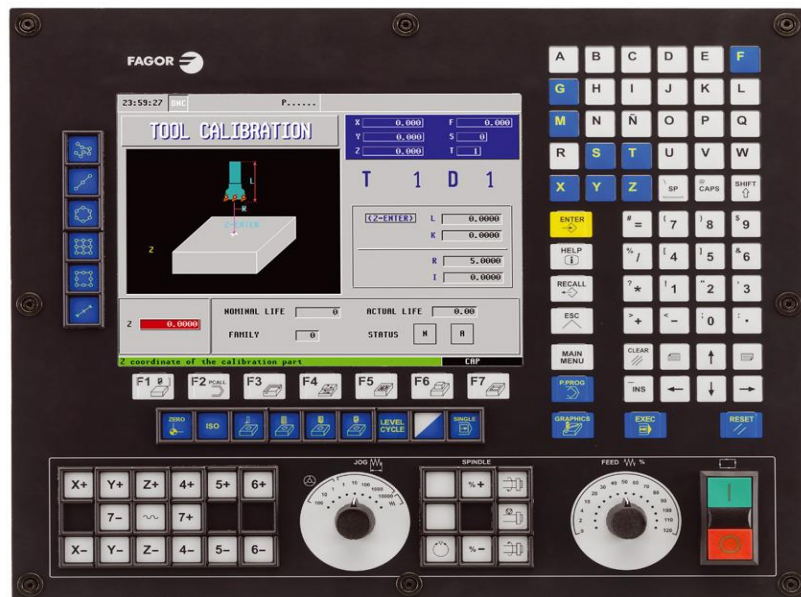
**The Ganesh GMV-3F CNC is manufactured in our
Certified ISO 9002 Production Facility in TAIWAN.**

FAGOR 8055MC CNC CONTROLLER – 4th AXIS CAPABLE

Some features on the control may not be available on the machine.
Please ask your sales representative any specific questions.

The Fagor 8055 MC Control System is perhaps the most versatile CNC in existence due to its Dual Operating System. In one mode, it is a very powerful ISO G-code control System and, in the other mode, it features **Icon conversational programming with highly interactive graphics**, which make even complex tasks easy to program - **regardless of the operators experience level.**

No prior CNC programming knowledge is required to operate this control.



Fagor CNC 8055 MC Control System

- **Icon Conversational Programming – 26 High-Performance Canned Cycles**
Rectangular Boss cycle, Round Boss cycle, Rectangular Pocket cycle, Circular Pocket cycles, Profile Pocket 2D & 3D cycles, Slot Milling, Profile Milling, Multiple Drilling cycles, Boring cycles, Reaming cycles, Arc bolt hole cycles, Random position cycles, Grid Pattern position cycles.
- 4-axis CNC + spindle all under full CNC control
- 4-axis simultaneous interpolation with full Linear, Circular and **Helical Interpolation**
- Fagor Intelligent Profile Editor (**mini CAD/CAM**)
- Tool Radius, Tool Length, Tool Wear compensation, 255-sets
- Simulation mode, dry run mode, and Solid 3D Graphics Display with zoom feature
- 10.4" High Resolution LCD color monitor
- Jog Mode & MDI Mode
- Tool offset and Work Coordinate Zero offset tables
- G-code Programming and Editing (on-line with interactive editor), plus M-codes
- WIN DNC offline software program
- Ballscrew pitch & backlash compensation
- Tele-diagnosis: Remote Instant Service capability through modem. (optional)
 - Front-mounted USB port for program transfer (standard), Ethernet TCP/IP (optional)