



GMV-2F
MACHINE QUOTATION

GMV-2F (9" X 50") Precision Milling Machine

STANDARD 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:

- Hard Chrome plating for X & Y axes
- Hardened and Ground Dovetail slideways in X, Y, & Z
- Hardened and Ground Table

Spindle:

- 3-HP Variable Speed head for superior metal removal capability
- Spindle supported by two precision angular contact and one ball-bearing to ensure rigidity
- ABEC Class-7 matched Super Precision spindle bearings
- **Spindle Runout 0.00008" maximum – guaranteed! (R8 spindle)**
- Spindle made from one-piece Ni-Cr alloy steel with inner taper hardened and ground
- Hardened, ground and polished precision Back Gear for quiet spindle operation
- Forward/ Reverse switch housed in an oil-tight switch box

Milling Head Gear and Quill:

- Power quill feed with 3-feeds and adjustable feed stop & automatic feed trip release
- Hardened and Ground Quill – **Hard chrome plated and polished** for a long service life
- Dynamically balance pulleys supported in precision bearings

Machine Features:

- Multiple knee and table locks for superior cutting rigidity
- T-slots ground to 5/8" for an accurate reference edge - fits standard workholding T-nuts
- One-Shot Metered Central Lubrication System for slideways and lead screws
- Water resistant halogen lamp is included
- 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 GMV-2F MACHINE SPECIFICATIONS

TABLE –

Table Size: W x L	9" X 50"	(230 X 1270 mm)
T-slot Width / Quantity	5/8" / 3	on 2.5" centers
Table Load Capacity	440 pounds	(200 kg)
Table Load Capacity (Evenly Distributed)	900 pounds	(408 kg)
Table Surface to Floor Dimension	32" – 48"	(820 -1226 mm)

MACHINE TRAVELS & CAPACITY –

Table Travel – Longitudinal – <u>X Axis</u>	38"	(966 mm)
Table Travel with Power Feed	33.07"	(840 mm)
Cross Travel – <u>Y Axis</u>	12"	(305 mm)
Vertical Knee Travel – <u>Z Axis</u>	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. (ballscrews optional)	
Adjustable scale ring display resolution	0.001" (5 mm)	
Ways – X, Y, & Z Axes – Hard Chrome Plated	Hardened & Ground Dovetail Ways	

SPINDLE HEAD –

Spindle Motor	Vari-Speed
Spindle Taper (hardened & ground)	3-HP, 3-Phase 220 vac
Spindle Runout	R-8
Spindle Bearings ABEC-7 matched set	0.00008" maximum runout (0.002 mm)
Variable Speed Spindle	Class-7 bearings
Head Tilt (Left-to-Right)	60 – 4,500 RPM
Head Tilt (Front-to-Back / Up-Down)	90° – 0 – 90°
Head Swivel on Turret	+45°– 0 – -38°
	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.	(1010 Kgs)
Electrical Requirements -	220 vac, 3-Ph., 60 Hz., 9.5 amps	
Machine Layout	Width –58" Depth – 63" – 75" Height -79"	

Note: Machine is wired standard at 220V 3 phase. For 440V, machine needs to be ordered from Factory wired at 440 V. Otherwise, transformer is required.

- ONE FULL YEAR WARRANTY PROVIDED -

Specifications and pricing subject to change without prior notice –

GMV-2F MACHINE:

\$10,990.00

THESE ACCESSORIES COME STANDARD WITH EVERY MACHINE – A \$695 VALUE

Cross Axis Way Cover
One-Shot Lubrication System
Halogen Work Light

SPECIAL PACKAGES SAVINGS:

PACKAGE #1

\$14,990.00

NEWALL 3-axis Digital Readout
Hi-Torque X-axis (table) powerfeed (Max Torque 650 in/lb.)

PACKAGE #2

\$16,990.00

NEWALL 3-axis Digital Readout
Hi-Torque X-axis (table) powerfeed (Max Torque 650 in/lb.)
Y-axis (cross) powerfeed, Z-axis (knee) powerfeed,
Air-Power Drawbar w/ safety shut-off

Machine Options

- Factory machine installation:
“Peace-of-Mind Factory Installation” – includes expenses \$2,995.00
- Newall 2-Axis Digital Readout – installed \$2,695.00
- Newall 3-Axis Digital Readout (3rd axis is on the quill) – installed \$3,495.00
- Automatic Machine Lubrication installed \$495.00
- 4” Riser installed on your machine \$750.00
- 6” Riser installed on your machine \$995.00
- Wiring to 440 volts (Net Price) (only on Standard NON-DVS) \$395.00
- Hi-Torque Longitudinal Powerfeed installed \$695.00
- Hi-Torque Cross Powerfeed installed \$795.00
- Hi-Torque Knee Powerfeed installed \$895.00
- Powerpac Air Power Drawbar installed \$1,295.00
- Upgrade to DVS (Digital Variable Speed) \$1,295.00

A large compliment of spare parts is in stock at our facility in Chatsworth to ensure your continued operation.

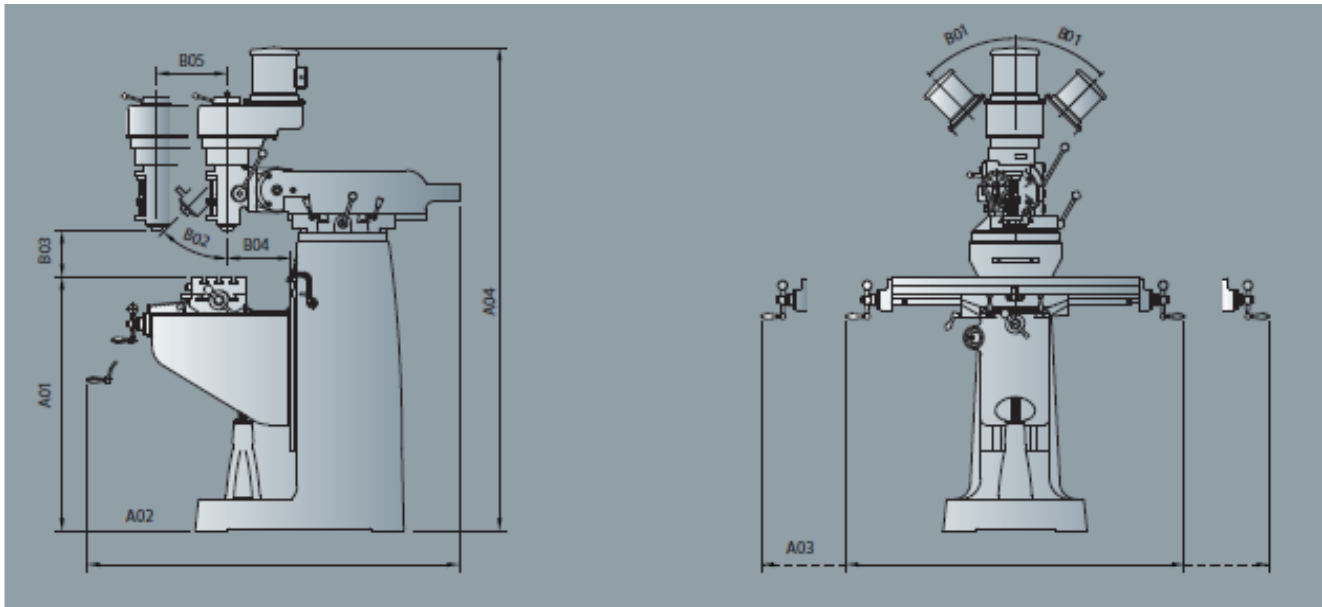
**Ganesh machines are manufactured in
Our Certified ISO 9001 Factory in TAIWAN.**

GMV-2F DVS Digital Variable Speed



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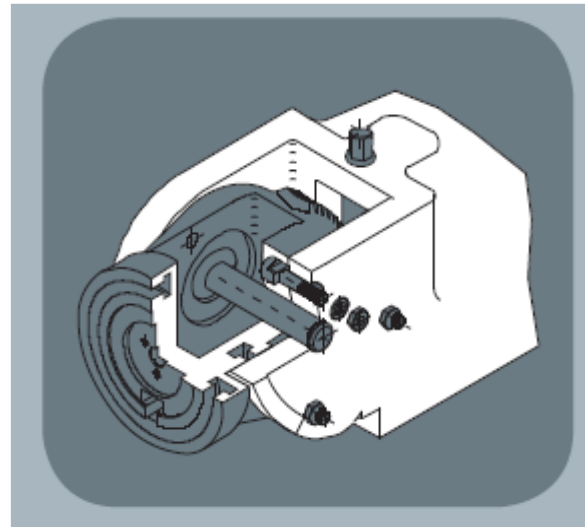
Machine Layout Diagram



Width-A03 58", Depth-A02 63" -75", Height-A04 79"



Unique backlash adjustable double nut design with oversize contact face for both enhanced rigidity and accuracy with easy backlash adjustment.



Patented head knuckle provides extra rigidity at any angle and uses a 6 T-bolt lock-down configuration for better stability.

Terms of Sale

Warranty – 1 full year parts warranty on the machine. Labor warranty will be provided by your local servicing distributor.

Parts– Spare parts are available at our facility in Chatsworth to support your continued machine operation.

F.O.B. Point – Machines ship F.O.B. from Chatsworth, CA 91311.

Payment Terms – 30% down payment with your Purchase Order secures the machine. 60% is due prior to machine shipment, and the 10% balance is due net-30 days after installation or the machine can be financed with our approved lender. Leases with \$1.00 buyout are available upon approved credit.

Purchase is governed by the Expand Machinery terms and conditions of sale.

UL & TÜV ELECTRICAL APPROVAL IS AN AVAILABLE OPTION

Prices and specifications subject to change without prior notice.