

HAFCO-METALMASTER PBM-GSV250



Industrial Turret Milling Machine - Horizontal & Vertical

Table Travel: (X) - 700mm (Y) - 250mm (Z) - 440mm



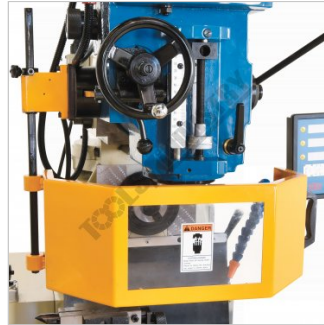
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Vertical Setup



3 Axis Digital Read Out



Safety Cutter Guard



Universal Dividing Head



Control Panel



Gear Drive Table Feed



Horizontal Speed Selection Levers



Spindle Controls



Swivel Table



Tilting Mill Head



Rotating Horizontal Ram



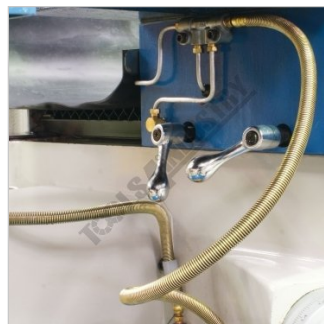
Z Axis Feed Handle with Micro



Z Axis Rapid Motor



Automatic Slideway Lubrication System



Y Axis Table Locks



Oil Feeder Distribution Block

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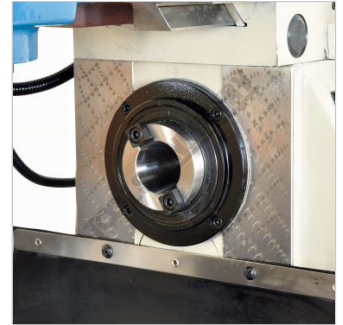
Y Axis Feed Handle



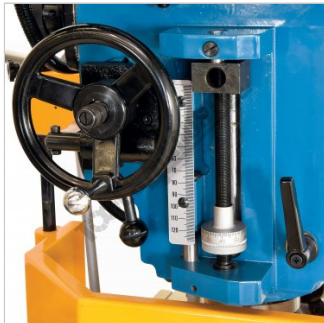
X Axis Feed Handle



Air Powered Draw Bar System



Horizontal Spindle



Quill Feed Depth Stop



Variable Speed



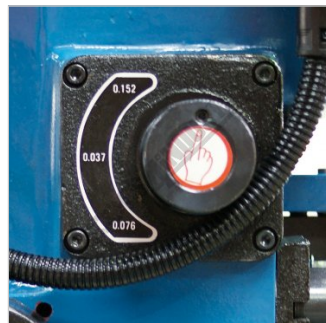
Air Powered Draw Bar Control



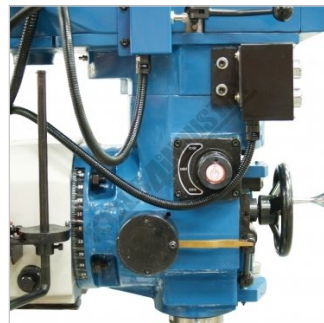
Mill Head Right Side View



Quill Feed Engagement Dial



3 Speed Quill Feed



Mill Head Left Side View



High Low Spindle Speed Gear Lever

Description

The PBM-GSV250 Industrial turret milling machine is manufactured in Taiwan to a strict precision engineering ultra-high tolerance & superior excellence to cope with many jobs set out by the professional machinist, and importantly to deliver many years of valuable & reliable service.

This medium robust milling machine package has all the similarities of the BM-40V model and is also complete with a few more bonus upgrades for example, 5hp motor driving the NT40 spindle taper, Z-axis powered elevating motor, pneumatic operated draw bar to easily & quickly change tool holders with a push of a button, automatic operated oil pump to keep slides in perfect working order and a universal dividing head with chuck coupled to the X-axis of the machine designed to be used for cutting helical gears and more.

The PBM-GSV250 machine also includes the most desirable features like, easy to use variable spindle speed dial, turcite B coated X & Y slide-ways that reduces friction to provide smooth table movement even when loaded up with a heavy job, hardened & ground work table & slide-ways, heavy duty X-axis auto power-feed with adjustable feed stops and also a 3-axis digital readout system fitted.

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Another reliable feature in this range of precision milling machines is the manufacturing process of the main body & supports, it is made up from the highest quality Meehanite® cast iron. The key to the undisputed success of Meehanite® metals is the rigid application of its patented manufacturing process to provide ultimate strength & durability performance.

To conclude this PBM-GSV250 turret milling machine is the most common size machine that's found in approximately 70% of engineering workshops and when its put to the test it certainly performs its duties with no hesitation.

Features

- 3 Axis digital readout fitted
- 5HP 415V motor, dial variable speed system
- NT40 Spindle taper with a chrome & ground quill
- Pneumatic drawbar system fitted
- Swivel table $\pm 45^\circ$ left and right
- Universal BS-2 dividing head with chuck
- Z-Axis powered elevating motor
- Hardened & ground work table & slide-ways
- Turcite "B" coated X & Y Axis slide-ways reduces friction for smooth operation
- All slides utilise dovetail construction for maximum rigidity
- Meehanite casting for high strength & minimal deformation
- Quality electrics & overload protection in an easy access enclosure
- Horizontal travelling ram mounted on a rotating base allowing repositioning of spindle
- High / neutral and low gear selection lever to maximise torque
- Gear driven power-feed with adjustable micro switch feed stops
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.037, 0.076, 0.152mm/rev
- Automatic cut off depth stop on quill
- Automatic oil lubrication pump and reservoir
- Slide-way covers Y & Z-Axis
- Head swivels $\pm 90^\circ$ left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

- 3-Axis digital readout fitted
- Automatic oil lubrication pump and reservoir
- Universal BS-2 dividing head with chuck
- Swivel table $\pm 45^\circ$ left and right
- Pneumatic drawbar system with M16 thread
- 1" horizontal arbor
- Z-Axis powered elevating motor
- Coolant system
- Slide-way covers
- Geared X-Axis power-feed
- Halogen light
- Safety cutter guard
- Swarf tray
- Drawbar M16 thread

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Specifications

ORDER CODE	M585D
MODEL	PBM-GVS250
Digital Readout	3-Axis Digital Readout
Type	Vertical & Horizontal
Table Size (mm)	1100 x 250
Column Type	~
Spindle Taper - Vertical	NT40
Spindle Taper - Horizontal	NT40
Longitudinal Travel (X-Axis) (mm)	700
Cross Travel (Y-Axis) (mm)	250
Vertical Travel (Z-Axis) (mm)	440
Type of Slides	~
Ram Travel (mm)	300
Spindle to Table (mm)	470
Spindle to Base	~
Spindle Travel / Diameter (mm)	127 / 105
Throat Depth (max.) (mm)	500
Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	~
Drilling Capacity (mm)	~
End Milling Capacity (mm)	~
Face Milling Capacity (mm)	~
Power Feed - Quill (mm/rev)	0.037 / 0.076 / 0.152
Power Feed - Longitudinal (X-Axis) (mm/min)	0.02 - 0.20
Power Feed - Cross (Y-Axis) (mm/min)	Optional
Power Feed - Vertical (Z-Axis) (mm/min)	Rapid
Table T-Slot Size (inch / mm)	5/8
Work Table Load Capacity (kg)	300
Spindle Speeds Vertical (No./ rpm)	Variable (70 - 3500)
Spindle Speeds Horizontal (No./ rpm)	6 (40 - 980)
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	3.75 / 5
Motor Power - Horizontal Spindle (kW / hp)	2.25 / 3
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	415
Nett Weight (kg)	1350