

Product Brochure For M585D

Industrial Turret Milling Machine - Horizontal & Vertical - PBM-GSV250

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

Includes DRO & Dividing Head, BS-2 Dividing Head & Pneumatic
 Browbar System



ORDER CODE:	M585D
MODEL:	PBM-GSV250
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

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.

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.

Product Brochure For M585D

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

Specific Features



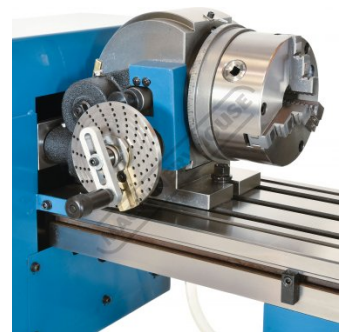
Vertical Setup



3 Axis Digital Read Out



Safety Cutter Guard



Universal Dividing Head

Product Brochure For M585D



Control Panel



Gear Drive Table Feed



Horizontal Speed Selection Levers



Spindle Controls



Swivel Table



Tilting Mill Head



Rotating Horizontal Ram



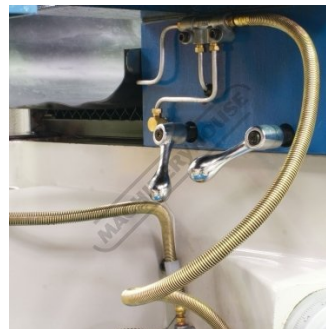
Z Axis Feed Handle with Micro



Z Axis Rapid Motor



Automatic Slideway Lubrication System



Y Axis Table Locks



Oil Feeder Distribution Block



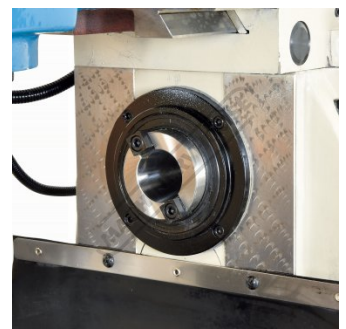
Y Axis Feed Handle



X Axis Feed Handle

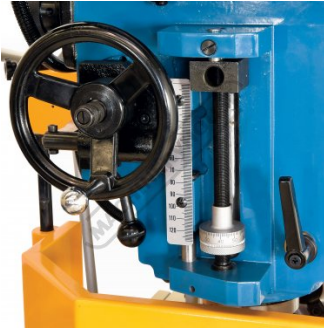


Air Powered Draw Bar System



Horizontal Spindle

Product Brochure For M585D



Quill Feed Depth Stop



Variable Speed



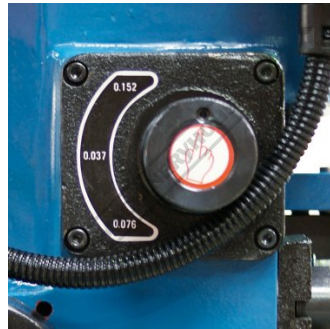
Air Powered Draw Bar Control



Mill Head Right Side View



Quill Feed Engagement Dial



3 Speed Quill Feed



Mill Head Left Side View



High Low Spindle Speed Gear Lever

Recommended Accessories

M184
 Precision Boring Head



M197A
 Boring Head Shank



C290
 Heavy Duty Drill Chuck - Keyed Type



C292
 Industrial Drill Chuck - Keyless Type



Product Brochure For M585D

C294
 Industrial Drill Chuck - Keyless Type



D446
 NT40 x JT6 Drill Chuck Arbor - M16 Threaded Shank



D448
 NT40 x JT3 Drill Chuck Arbor - M16 Threaded Shank



M3301
 Metric HSS Slot Drill & End Mill Set - 10 Piece



M3321
 Imperial HSS Slot Drill & End Mill Set - 10 Piece



C966
 Collet & Chuck Set - 25 Piece



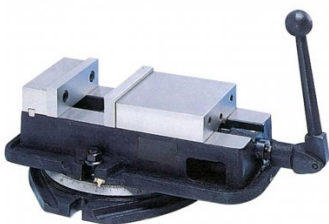
V105
 Vertex K-Type Milling Vice



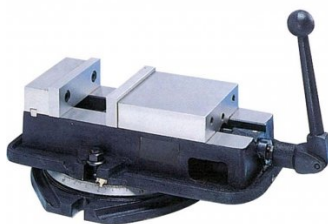
V106
 Vertex K-Type Milling Vice



V305
 Vertex Anglock Machine Vice



V306
 Vertex Anglock Machine Vice



R008
 Vertex Rotary Table

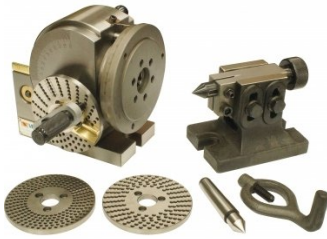


R010
 Vertex Rotary Table

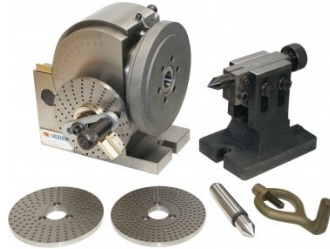


Product Brochure For M585D

D001
 Vertex Dividing Head - Semi Universal



D002
 Vertex Dividing Head - Semi Universal



R002
 Vertex Super Indexing Head



C280
 3 Jaw Self Centring Lathe Chuck



C2806
 3 Jaw Self Centring Lathe Chuck



M247
 Air Power Drawbar



M2295
 Power Feed Unit



M229
 Power Feed Unit



L065
 KYOCERA Carbide Inserts - Milling



M510
 Face Mill 90° - Positive Rake



M512
 Face Mill 90° - Positive Rake



M503
 Face Mill 90° - Positive Rake



Product Brochure For M585D

M515
 Face Mill 45° - Super High-Rake



M517
 Face Mill 45° - Super High-Rake



M518
 Face Mill 45° - Super High-Rake



M550
 Face Mill Arbor



M552
 Face Mill Arbor



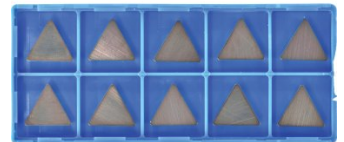
M554
 Face Mill Arbor



M555
 Face Mill Arbor



L066
 KYOCERA Carbide Inserts -
 Milling



M252
 Parallel Set - 18 Piece



M250
 Parallel Set - 8 Piece



M519
 End Mill - Ø12mm



M520
 End Mill - Ø16mm



Product Brochure For M585D

M521
End Mill - Ø20mm



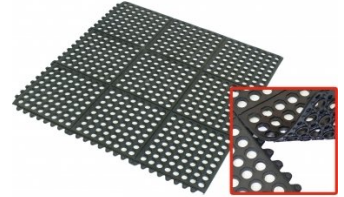
L059
Carbide Inserts - Milling



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



S076
Cutting Tool Lubricant Fluid - 500ml



S077
Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S075
Cutting Tool Lubricant Paste - 200g



S074
Cutting Tool Lubricant Paste - 500g



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



Product Brochure For M585D

O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

