

Product Brochure For M596D

Industrial Turret Milling Machine - BM-52VE

Table Travel: (X) - 860mm (Y) - 425mm (Z) - 400mm

Includes Digital Readout System



ORDER CODE:	M596D
MODEL:	BM-52VE
Digital Readout:	3-Axis Digital Readout
Type:	Vertical
Table Size (mm):	1370 x 254
Column Type:	~
Spindle Taper - Vertical:	NT40
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	860
Cross Travel (Y-Axis) (mm):	425
Vertical Travel (Z-Axis) (mm):	400
Type of Slides:	Dovetail (X), Square (Y & Z)
Ram Travel (mm):	470
Spindle to Table (mm):	440
Spindle to Base:	~
Spindle Travel / Diameter (mm):	127 / 86
Throat Depth (max.) (mm):	609
Tilting Head (Left ~ Right):	±90°
Tilting Head (Forward ~ Back):	±45°
Drilling Capacity (mm):	~
End Milling Capacity (mm):	~
Face Milling Capacity (mm):	~
Power Feed - Quill (mm/rev):	0.038 / 0.076 / 0.152
Power Feed - Longitudinal (X-Axis) (mm/min):	20 - 2000
Power Feed - Cross (Y-Axis) (mm/min):	20 - 2000
Power Feed - Vertical (Z-Axis) (mm/min):	Rapid
Table T-Slot Size (inch / mm):	16
Work Table Load Capacity (kg):	350
Spindle Speeds Vertical (No./ rpm):	Variable (50 - 3650)
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	3.75 / 5
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	1130

Description

Quality product representing excellent value

Features

- 3 Axis digital readout fitted
- 5HP 415V motor with mechanical variable speed system
- NT40 Spindle taper with a chrome & ground quill
- Hardened & ground work table & slide-ways
- Square construction slides for Y & Z-Axis to maximise rigidity
- Turcite B coated X & Y Axis slide-ways reduces friction for smooth operation
- 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
- The ram incorporates a tail lug (spigot) to accept a slotting attachment etc.
- High / neutral and low gear selection lever to maximise torque
- X & Y-Axis power-feed with adjustable micro switch feed stops
- Powered elevating motor for Z-Axis

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- Micro switch on the manual knee handle for additional operator safety
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.038, 0.076, 0.152mm/rev
- Automatic cut off depth stop on quill
- Oil lubrication pump and reservoir
- Slide-way covers Y & Z-Axis
- Mill head tilts to $\pm 45^\circ$ forward and back
- Mill head tilts to $\pm 90^\circ$ left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

- 3 Axis digital readout fitted
- One-shot oil lubrication pump and reservoir
- Drawbar M16 thread
- Coolant system
- Slideway covers
- X-Axis power-feed
- Y-Axis power-feed
- Z-Axis powered elevating motor
- LED work light
- Safety cutter guard
- Swarf tray

Specific Features



Control Panel



Safety Milling Guard



Head Right View



Head Left View



Universal Tilting and Rotating Head



Adjustable Swivel and Sliding Ram



Tail Lug Spigot Supports Slotting Head



X Axis Power Feed with Rapid

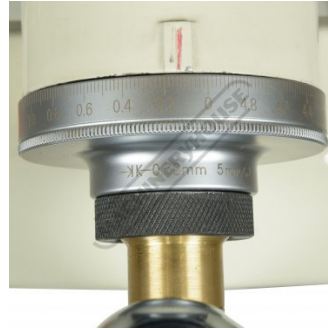
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X Axis Dial



Y Axis Power Feed with Rapid



Y Axis Dial



Z Axis Dial



Z Axis Rapid Motor



Lubrication Pump



Work Light and Coolant Hose



Machine Vice



Clamp Kit



Left View

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Recommended Accessories

C0966

Clamp Kit 58 piece - Workshop Series



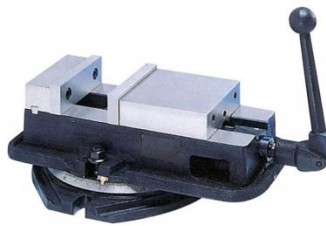
V106

Vertex K-Type Milling Vice



V306

Vertex Anglock Machine Vice



C929

Collet & Chuck Set - 20 Piece



C966

Collet & Chuck Set - 25 Piece



M350

10pc Metric HSS Milling Cutter Set 4-10mm



M360

10pc Metric HSS Milling Cutter Set 10-20mm



M184

Precision Boring Head



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M185
Precision Universal Facing & Boring Head



M197A
Boring Head Shank



M181
Boring Bar Set - 12 piece



M181A
Boring Bar Set - 4 piece



C292
Industrial Drill Chuck - Keyless Type



D446
NT40 x JT6 Drill Chuck Arbor - M16 Threaded Shank



C294
Industrial Drill Chuck - Keyless Type



D448
NT40 x JT3 Drill Chuck Arbor - M16 Threaded Shank



M260
Precision Metric 1-2-3 Block Set



M250
Parallel Set - 8 Piece



M252
Parallel Set - 18 Piece



R008
Vertex Rotary Table



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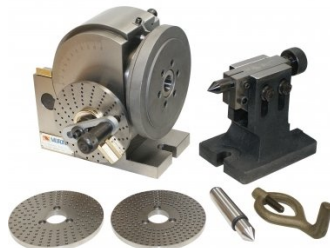
R010

Vertex Rotary Table



D002

Vertex Dividing Head - Semi Universal



C2806

3 Jaw Self Centring Lathe Chuck



R002

Vertex Super Indexing Head



M512

Face Mill 90° - Positive Rake



M503

Face Mill 90° - Positive Rake



M517

Face Mill 45° - Super High-Rake



M518

Face Mill 45° - Super High-Rake



L065

KYOCERA Carbide Inserts - Milling



L066

KYOCERA Carbide Inserts - Milling



M552

Face Mill Arbor



M554

Face Mill Arbor



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M555
Face Mill Arbor



L059
Carbide Inserts - Milling



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



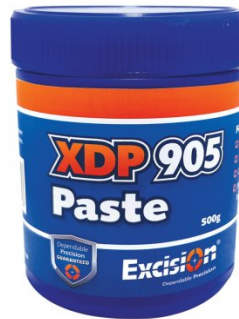
S076
Cutting Tool Lubricant Fluid - 500ml



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



S074
Cutting Tool Lubricant Paste - 500g



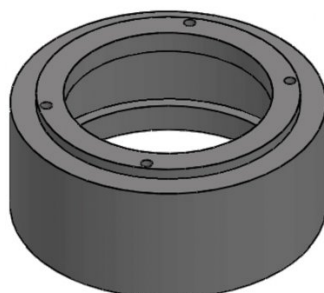
M229
Power Feed Unit



M2295
Power Feed Unit



M224
Riser Spacer - Suits Turret Milling Machines



L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper

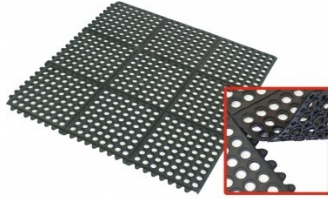


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M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

