

Product Brochure For M597D

Industrial Turret Milling Machine - BM-53VE

Table Travel: (X) - 890mm (Y) - 400mm (Z) - 415mm

Includes Digital Readout System, Vice & Clamp Kit



Limited Stock

Ex GST

Inc GST

\$13,650.00 \$15,015.00

ORDER CODE:	M597D
MODEL:	BM-53VE
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):	890
Cross Travel (Y-Axis) (mm):	400
Vertical Travel (Z-Axis) (mm):	415
Type of Slides:	Dovetail (X), Square (Y & Z)
Ram Travel (mm):	555
Spindle to Table (mm):	465
Spindle to Base:	~
Spindle Travel / Diameter (mm):	127 / 86
Throat Depth (max.) (mm):	635
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):	0.04 / 0.08 / 0.15
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 - 3550)
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):	1545

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
- Digital speed readout display for accurate cutter speed
- Hardened & ground work table & slide-ways
- Square construction slides for Y & Z-Axis to maximise rigidity
- Powered elevating motor for Z-Axis
- 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

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- 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
- Micro switch on the manual knee handle for additional operator safety
- Metric dial graduations @ 0.02mm for X, Y & Z-Axis
- Automatic quill feed 0.04, 0.08, 0.15mm/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
- Digital speed readout display
- Z-Axis powered elevating motor
- X & Y-Axis power-feeds
- One-shot oil lubrication pump and reservoir
- Machine vice (160mm)
- Clamp kit
- Drawbar M16 thread
- Coolant system
- Slideway covers
- Halogen light
- Safety cutter guard
- Swarf tray

Specific Features



Front View



Left View



Control Panel & 3 Axis Digital Readout



Head Close Up



Variable Speed Hand Wheel



Variable Speed Digital Display



Spindle Brake Lever



Drawbar

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High Low Speed Range Selection Lever



Quill Feed Engage Lever



Feed Speed Selector Lever



Tail Lug Spigot Supports Slotting Head



Table Feed Limit Switches



X Axis Power Feed with Rapid



X Axis Dial Graduations



Y Axis Power Feed with Rapid



Y Axis Dial Graduations



Z Axis Handle



Z Axis Dial



Z Axis Elevating Motor



Rear Slideway Protection Cover



Manual Slideway Lubrication Pump



Work Light and Coolant Hose



Machine Vice

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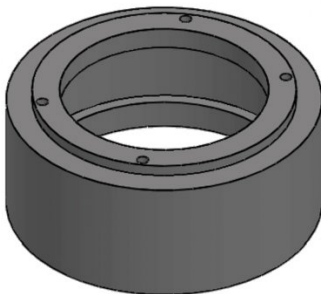


Included Accessories

Recommended Accessories

M224

Riser Spacer - Suits Turret Milling Machines



C091

Clamp Kit 58 piece - Workshop Series



C966

Collet & Chuck Set - 25 Piece



M3301

Metric HSS Slot Drill & End Mill Set - 10 Piece



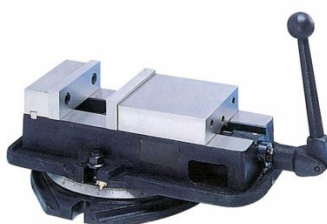
M3321

Imperial HSS Slot Drill & End Mill Set - 10 Piece



V306

Vertex Anglock Machine Vice



M184

Precision Boring Head



M185

Precision Universal Facing & Boring Head



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M197A

Boring Head Shank



M181

Boring Bar Set - 12 piece



M181A

Boring Bar Set - 4 piece



C292

Industrial Drill Chuck - Keyless Type



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



M252

Parallel Set - 18 Piece



R008

Vertex Rotary Table



R010

Vertex Rotary Table



D002

Vertex Dividing Head - Semi Universal



C2806

3 Jaw Self Centring Lathe Chuck



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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



M555

Face Mill Arbor



M250

Parallel Set - 8 Piece



L059

Carbide Inserts - Milling



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S090A

Soluble Metal Cutting Fluid - 1 Litre



S090

Soluble Metal Cutting Fluid - 5 Litre



M229

Power Feed Unit



M2295

Power Feed Unit



M225

Precision Slotting Head Attachment



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



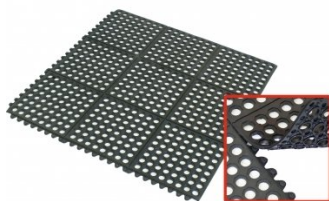
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



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O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

