

Product Brochure For M597D

BM-53VE - Industrial Turret Milling Machine

Table Travel: (X) - 910mm (Y) - 400mm (Z) - 415mm
 Includes Digital Readout System, Vice & Clamp Kit

Ex GST **Inc GST**
\$13,950.00 **\$15,345.00**



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):	910
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
- The ram incorporates a tail lug (spigot) to accept a slotting attachment etc.
- High / neutral and low gear selection lever to maximise torque

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- 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



Head Close Up



Control Panel



3 Axis Digital Readout



Variable Speed Hand Wheel



Variable Speed Digital Display



Spindle Brake Lever



Drawbar



High Low Speed Range Selection Lever



Quill Feed Engage Lever



Feed Speed Selector Lever



Tail Lug Spigot Supports Slotting Head

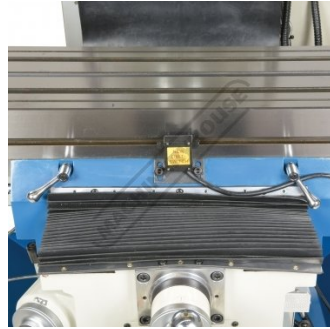
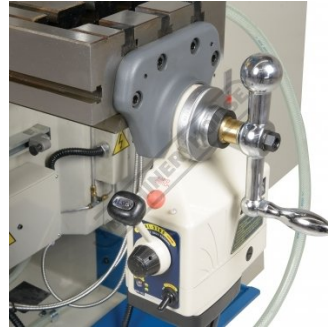


Table Feed Limit Switches



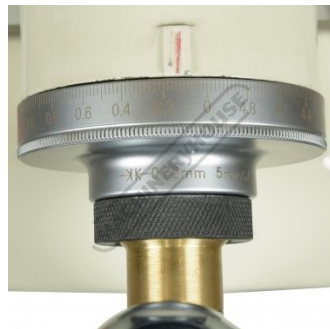
X Axis Power Feed with Rapid



X Axis Dial Graduations



Y Axis Power Feed with Rapid



Y Axis Dial Graduations



Z Axis Handle



Z Axis Dial Graduations



Z Axis Elevating Motor



Rear Slideway Protection Cover



Manual Slideway Lubrication Pump



Work Light and Coolant Hose

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Machine Vice

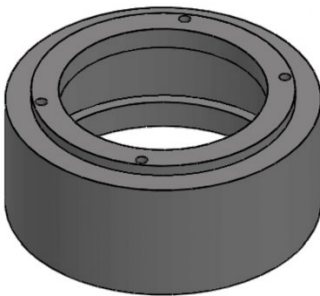


Included Accessories

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



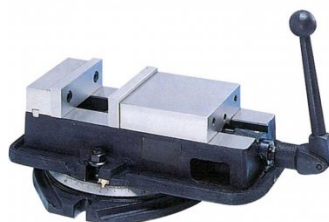
M3321

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-JT6 Drill Chuck Arbor



D448
NT40-JT3 Drill Chuck Arbor



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



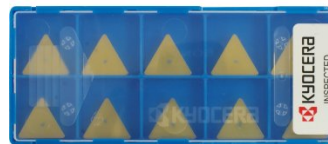
M518
Face Mill 45° - Super High-Rake



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



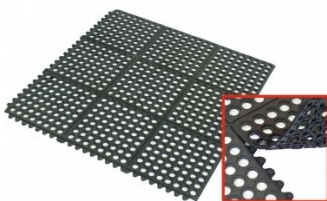
M9991
 Magnetic Floor Sweeper



M800
 Rubber Mat - Anti-Fatigue



M805
 Rubber Mat - Anti-Fatigue



O000
 SpillFix Universal Organic
 Absorbent



O000A
 Natural Zeolite Absorbent



O043
 Rust & Corrosion Preventive -
 Penetrant & Lubricant



Product Brochure For M597D

O042

General Purpose Lubricant &
Corrosion Inhibitor



O040

Rust & Corrosion Preventive -
Penetrant & Lubrication



O044

Rust & Corrosion Preventive -
Penetrant & Lubrication

