Auckland: (09) 2717 234
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Product Brochure For M599D

Industrial Turret Milling Machine - BM-63VE

Table Travel: (X) - 890mm (Y) - 400mm (Z) - 400mm
Includes Ballscrews X & Y Axis, Digital Readout System, Machine Vice & Clamp Kit



ORDER CODE:	M599D
MODEL:	BM-63VE
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):	400
Type of Slides:	Dovetail (X), Square (Y&Z)
Ram Travel (mm):	550
Spindle to Table (mm):	450
Spindle to Base:	~
Spindle Travel / Diameter (mm):	127 / 105
Throat Depth (max.) (mm):	740
Tilting Head (Left ~ Right):	±90º
Tilting Head (Forward ~ Back):	±45º
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):	400
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):	1555

Features

- 3 Axis digital readout fitted
- 5HP 415V motor with mechanical variable speed system
- NT40 Spindle taper with a 105mm chrome & ground quill
- Hardened ballscrew X & Y-Axis providing smooth and accurate operation
- 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
- 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

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- Oil lubrication pump and reservoir
- Slide-way covers Y & Z-Axis
- Mill head tilts to ±45º forward and back
- Mill head tilts to ±90º left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

- 3 Axis digital readout fitted
- Hardened ballscrew X & Y-Axis
- Digital speed readout display
- One-shot oil lubrication pump and reservoir
- X & Y-Axis power-feed
- Z-Axis powered elevating motor
- Machine vice 160mm
- Clamp kit set
- Drawbar M16 thread
- Coolant system
- Slideway covers
- Safety cutter guard
- Halogen light
- Swarf tray
- Drawbar M16 thread

Specific Features


Front View


Left View


Left Side View


Control Panel & 3 Axis Digital Readout


Variable Speed Hand Wheel



Variable Speed Digital Display



Spindle Brake Lever


Drawbar

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High Low Speed Range Selection Lever

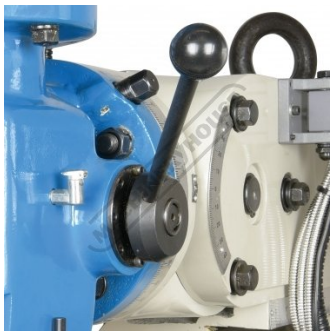


Quill Feed Engage Lever

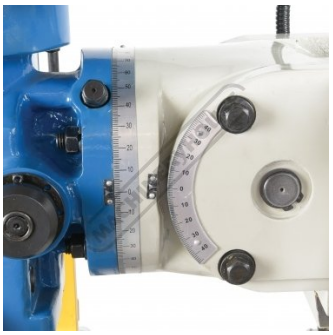

Quill Feed Depth Stop



Feed Speed Selector Lever

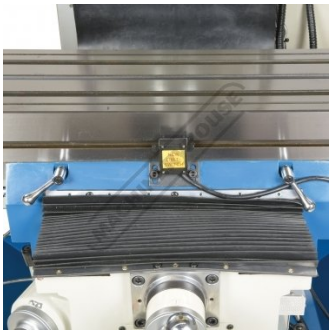

Quill Hand Lever


Head Tilt Knucle


Universal Tilting and Rotating Head


Adjustable Swivel and Sliding Ram


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

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Product Brochure For M599D


Z Axis Elevating Motor


Rear Slideway Protection Cover


Manual Slideway Lubrication Pump


Safety Cutter Guard

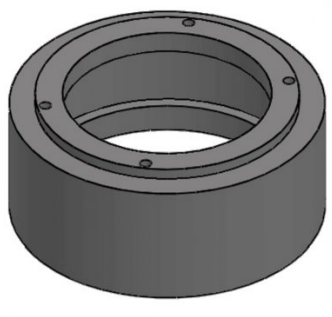

Work Light and Coolant Hose


Includes Machine Vice


Included Accessories

Recommended Accessories

M224
Riser Spacer - Suits Turret Milling Machines



C0966
Clamp Kit 58 piece - Workshop Series



C966
Collet & Chuck Set - 25 Piece



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



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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



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



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R008
Vertex Rotary Table



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 90º - Positive Rake



M503
Face Mill 90º - Positive Rake



M517
Face Mill 45º - Super High-Rake



M518
Face Mill 45º - Super High-Rake



L065
KYOCERA Carbide Inserts - Milling



L066
KYOCERA Carbide Inserts - Milling



M552
Face Mill Arbor



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Product Brochure For M599D

M554
Face Mill Arbor



M555
Face Mill Arbor



M250
Parallel Set - 8 Piece



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



M247
Air Power Drawbar



M229
Power Feed Unit



M2295
Power Feed Unit



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L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

