

HAFCO-METALMASTER BM-63VE



Industrial Turret Milling Machine

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



HAFCO-METALMASTER Industrial Turret Milling Machine BM-63VE



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



High Low Speed Range Selection Lever



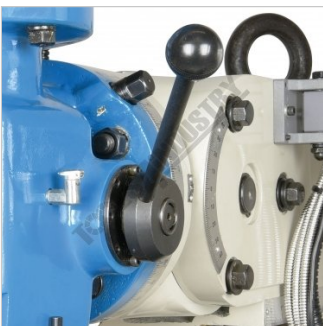
Quill Feed Engage Lever



Quill Feed Depth Stop



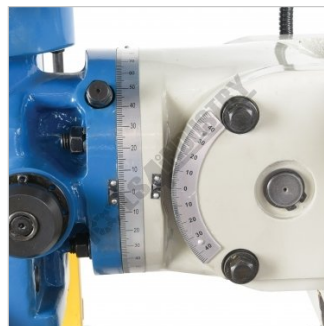
Feed Speed Selector Lever



Quill Hand Lever



Head Tilt Knuckle



Universal Tilting and Rotating Head



Adjustable Swivel and Sliding Ram

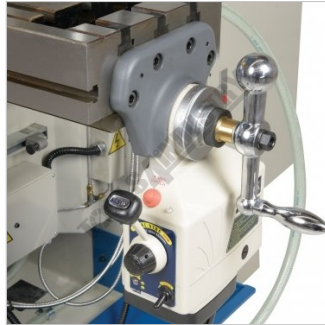
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Tail Lug Spigot Supports Slotting Head



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



Safety Cutter Guard



Work Light and Coolant Hose



Includes Machine Vice



Included Accessories

HAFCO-METALMASTER Industrial Turret Milling Machine BM-63VE**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
- 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
- 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

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Specifications

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)	±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)	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