

## HAFCO METALMASTER BM-63VE



### Turret Milling Machine

(X) 890mm (Y) 400mm (Z) 400mm



## HAFCO METALMASTER BM-63VE Turret Milling Machine



Left View



Left Side View



Right Side View



Front 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



## HAFCO METALMASTER BM-63VE Turret Milling Machine



Universal Tilting and Rotating Head



Adjustable Swivel and Sliding Ram



Tail Lug Spigot Supports Slotting Head

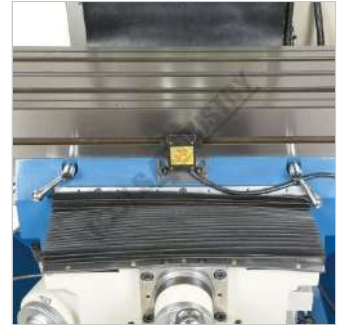


Table Feed Limit Switches



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 Graduations



Z Axis Elevating Motor



Rear Slideway Protection Cover



Manual Slideway Lubrication Pump



Safety Cutter Guard



Work Light and Coolant Hose



Includes Machine Vice

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

Included Accessories

**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 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

## HAFCO METALMASTER BM-63VE Turret Milling Machine

### 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

### Specifications

<b>ORDER CODE</b>	M599D
<b>MODEL</b>	BM-63VE
<b>Digital Readout</b>	3-Axis Digital Readout
<b>Type</b>	Vertical
<b>Table Size (mm)</b>	1370 x 254
<b>Column Type</b>	~
<b>Spindle Taper - Vertical</b>	NT40
<b>Spindle Taper - Horizontal</b>	~
<b>Longitudinal Travel (X-Axis) (mm)</b>	890
<b>Cross Travel (Y-Axis) (mm)</b>	400
<b>Vertical Travel (Z-Axis) (mm)</b>	400
<b>Type of Slides</b>	Dovetail (X), Square (Y&Z)
<b>Ram Travel (mm)</b>	550
<b>Spindle to Table (mm)</b>	450
<b>Spindle Travel / Diameter (mm)</b>	127 / 105
<b>Throat Depth (max.) (mm)</b>	740
<b>Tilting Head (Left ~ Right)</b>	±90°
<b>Tilting Head (Forward ~ Back)</b>	±45°
<b>Drilling Capacity (mm)</b>	~
<b>End Milling Capacity (mm)</b>	~
<b>Face Milling Capacity (mm)</b>	~
<b>Power Feed - Quill (mm/rev)</b>	0.04 / 0.08 / 0.15
<b>Power Feed - Longitudinal (X-Axis) (mm/min)</b>	20 - 2000
<b>Power Feed - Cross (Y-Axis) (mm/min)</b>	20 - 2000
<b>Power Feed - Vertical (Z-Axis) (mm/min)</b>	Rapid
<b>Table T-Slot Size (inch / mm)</b>	16
<b>Work Table Load Capacity (kg)</b>	400
<b>Spindle Speeds Vertical (No./ rpm)</b>	Variable (50 - 3550)
<b>Spindle Speeds Horizontal (No./ rpm)</b>	~
<b>Motor Power - Vertical (kW / hp)</b>	3.75 / 5

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<b>Motor Power - Horizontal (kW / hp)</b>	~
<b>Voltage / Amperage (V / amp)</b>	415
<b>Shipping Dimensions (L x W x H) (cm)</b>	165 x 134 x 224
<b>Nett Weight (kg)</b>	1375