

## HAFCO METALMASTER BM-53VE



### Turret Milling Machine

(X) 910mm (Y) 400mm (Z) 415mm



## HAFCO METALMASTER BM-53VE Turret Milling Machine



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



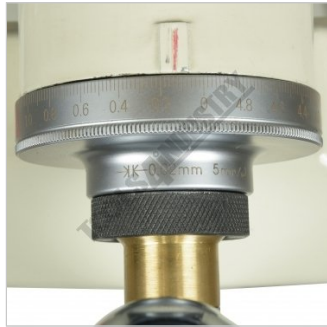
X Axis Dial Graduations



**HAFCO METALMASTER BM-53VE Turret Milling Machine**



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



Machine Vice



Included Accessories

**Description**

Quality product representing excellent value



## HAFCO METALMASTER BM-53VE Turret Milling Machine

### 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
- 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



## HAFCO METALMASTER BM-53VE Turret Milling Machine

### Specifications

<b>ORDER CODE</b>	M597D
<b>MODEL</b>	BM-53VE
<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>	910
<b>Cross Travel (Y-Axis) (mm)</b>	400
<b>Vertical Travel (Z-Axis) (mm)</b>	415
<b>Type of Slides</b>	Dovetail (X), Square (Y & Z)
<b>Ram Travel (mm)</b>	555
<b>Spindle to Table (mm)</b>	465
<b>Spindle Travel / Diameter (mm)</b>	127 / 86
<b>Throat Depth (max.) (mm)</b>	635
<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>	350
<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
<b>Motor Power - Horizontal (kW / hp)</b>	~
<b>Voltage / Amperage (V / amp)</b>	415
<b>Shipping Dimensions (L x W x H) (cm)</b>	163 x 134 x 225
<b>Nett Weight (kg)</b>	1365