

HAFCO METALMASTER BM-70VE



Turret Milling Machine

(X) 1050mm (Y) 420mm (Z) 500mm



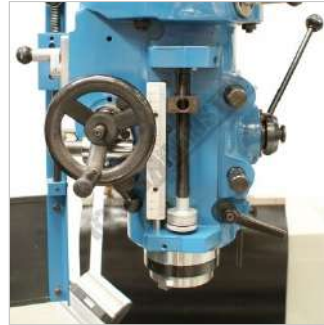
HAFCO METALMASTER BM-70VE Turret Milling Machine



Controller



3 Axis Digital Readout



Quill Feed Depth Stop



Mill Head Right View



Universal Tilting and Rotating Head



Front View



Extra Wide Saddle Support



Micro Switch on Knee Handle



Feed Selector



Quill Feed Mechanism



Automatic oil lubrication pump and reservoir



Adjustable Swivel & Sliding Ram



Heavy Duty X Axis Feed Motor



Cross Feed Handle



Pneumatic Drawbar



Head Controls

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Head Left Side View

Description

Manufactured in Taiwan

Features

- 3 Axis digital readout fitted,
- 5HP 415V motor, inverter control variable speed system with automatic spindle brake (BM-70VE)
- High quality spindle speed control with digital readout
- NT40 Spindle taper with a 105mm chrome & ground quill
- Digital spindle speed readout
- Hardened & ground work table & slide-ways
- Square construction slides for X & Z axis to maximise rigidity
- Turcite B coated X & Y-Axis slide-ways reduces friction for smooth operation
- Pneumatic operation drawbar system for quick and effortless tool change
- 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
- Inverter controlled feed motors on X & Y-Axis
- 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, 0.13mm/rev
- Automatic cut off depth stop on quill
- Automatic 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
- Tool box and manual

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Includes

- 3 Axis digital readout fitted
- Automatic oil lubrication pump and reservoir
- Pneumatic drawbar system M16 thread
- Coolant system
- Slideway covers
- Z-Axis powered elevating motor
- X & Y-Axis inverter controlled power-feed
- Halogen light
- Safety cutter guard
- Swarf tray

Specifications

ORDER CODE	M630D
MODEL	BM-70VE
Digital Readout	3-Axis Digital Readout
Type	Vertical
Table Size (mm)	1500 x 305
Column Type	~
Spindle Taper - Vertical	NT40
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	1050
Cross Travel (Y-Axis) (mm)	420
Vertical Travel (Z-Axis) (mm)	500
Type of Slides	Dovetail (X), Square (Y & Z)
Ram Travel (mm)	485
Spindle to Table (mm)	460
Spindle Travel / Diameter (mm)	155 / 105
Throat Depth (max.) (mm)	750
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 / 0.13
Power Feed - Longitudinal (X-Axis) (mm/min)	30 - 3000
Power Feed - Cross (Y-Axis) (mm/min)	30 - 3000
Power Feed - Vertical (Z-Axis) (mm/min)	Rapid
Table T-Slot Size (inch / mm)	5/8
Work Table Load Capacity (kg)	500
Spindle Speeds Vertical (No./ rpm)	Inverter (70 - 4200)
Spindle Speeds Horizontal (No./ rpm)	~
Motor Power - Vertical (kW / hp)	3.75 / 5
Motor Power - Horizontal (kW / hp)	~
Voltage / Amperage (V / amp)	415
Shipping Dimensions (L x W x H) (cm)	160 x 170 x 240

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Nett Weight (kg)

1800