

## HAFCO-METALMASTER BM-70VE



### Industrial Turret Milling Machine

Table Travel: (X) - 1050mm (Y) - 420mm (Z) - 400mm



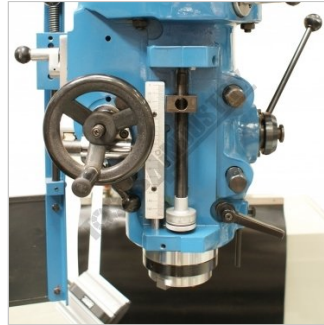
## HAFCO-METALMASTER Industrial Turret Milling Machine BM-70VE



Controller



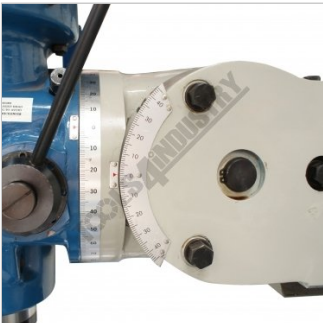
3 Axis Digital Readout



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

**HAFCO-METALMASTER Industrial Turret Milling Machine BM-70VE**

Head Left Side View

**Description**

The BM-70VE Industrial turret milling machine is manufactured in Taiwan to a strict precision engineering ultra-high tolerance & superior excellence to cope with many jobs from small to big that is set out by the professional machinist, and importantly to deliver many years of valuable & reliable service.

This heavy-duty solid milling machine has a generous scope in all X, Y & Z travels, X-axis 1050mm, Y-axis 420mm & Z-axis 400mm. What separates this BM-70VE turret milling machine from all the others on the market is the large 1500 x 305mm table has a very long table base support and will accept a heavy table weight of 500kg. furthermore, it is complimented with square slide-ways for the Y & Z-axis which relates to more surface area resulting in outstanding rigidity and performance when taking heavy cuts.

This milling machine package is also complete with a few of the most desirable features for example, 5hp motor driving the NT40 spindle taper, Inverter controller X & Y axis feeds, Z-axis powered elevating motor, pneumatic operated draw bar to easily & quickly change tool holders with a push of a button and automatic operated oil pump to keep slides in perfect working order.

The BM-70VE machine also includes features like, electronic variable spindle speed with a digital readout display, turcite B coated X & Y slide-ways that reduces friction to provide smooth table movement even when loaded up with a heavy job, hardened & ground work table & slide-ways and a 3-axis digital readout system fitted.

Another reliable feature in this range of precision milling machines is the manufacturing process of the main body & supports, it is made up from the highest quality Meehanite® cast iron. The key to the undisputed success of Meehanite® metals is the rigid application of its patented manufacturing process to provide ultimate strength & durability performance.

To conclude this BM-70VE heavy-duty industrial turret milling machine is that this model can withstand the heavy metal removal cuts, and when its put to the test it certainly performs its duties with absolutely no hesitation.

**HAFCO-METALMASTER Industrial Turret Milling Machine BM-70VE****Features**

- 3 Axis digital readout fitted
- 5HP 415V motor, inverter control variable speed system with automatic spindle brake (BM-70VE)
- Inverter controlled feed motors on X & Y-Axis
- 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
- 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
- Low voltage LED work light
- Tool box and manual

**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
- LED Work light
- Safety cutter guard
- Swarf tray
- Drawbar M16 thread

## HAFCO-METALMASTER Industrial Turret Milling Machine BM-70VE

### Specifications

<b>ORDER CODE</b>	M630D
<b>MODEL</b>	BM-70VE
<b>Digital Readout</b>	3-Axis Digital Readout
<b>Type</b>	Vertical
<b>Table Size (mm)</b>	1500 x 305
<b>Column Type</b>	~
<b>Spindle Taper - Vertical</b>	NT40
<b>Spindle Taper - Horizontal</b>	~
<b>Longitudinal Travel (X-Axis) (mm)</b>	1050
<b>Cross Travel (Y-Axis) (mm)</b>	420
<b>Vertical Travel (Z-Axis) (mm)</b>	400
<b>Type of Slides</b>	Dovetail (X), Square (Y & Z)
<b>Ram Travel (mm)</b>	485
<b>Spindle to Table (mm)</b>	460
<b>Spindle to Base</b>	~
<b>Spindle Travel / Diameter (mm)</b>	155 / 105
<b>Throat Depth (max.) (mm)</b>	750
<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 / 0.13
<b>Power Feed - Longitudinal (X-Axis) (mm/min)</b>	30 - 3000
<b>Power Feed - Cross (Y-Axis) (mm/min)</b>	30 - 3000
<b>Power Feed - Vertical (Z-Axis) (mm/min)</b>	Rapid
<b>Table T-Slot Size (inch / mm)</b>	5/8
<b>Work Table Load Capacity (kg)</b>	500
<b>Spindle Speeds Vertical (No./ rpm)</b>	Inverter (70 - 4200)
<b>Spindle Speeds Horizontal (No./ rpm)</b>	~
<b>Spindle Speeds - Universal Head</b>	~
<b>Motor Power - Vertical Spindle (kW / hp)</b>	3.75 / 5
<b>Motor Power - Horizontal Spindle (kW / hp)</b>	~
<b>Motor Power - Universal Head</b>	~
<b>Voltage / Amperage (V / amp)</b>	415
<b>Nett Weight (kg)</b>	1800