

HAFCO-METALMASTER BM-40V



Industrial Turret Milling Machine

Table Travel: (X) - 860mm (Y) - 360mm (Z) - 425mm



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Variable Speed Head 70
3500rpm



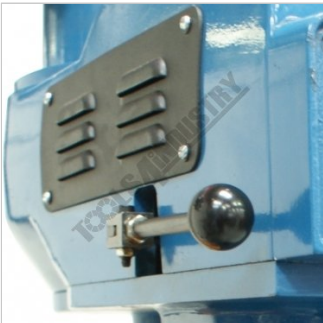
Control Panel



3 Axis Digital Readout
System



Hi Low Spindle Speed Range
Selector



Spindle Brake



Forward Reverse Switch



LED Work Light



Coolant Nozzel



Quill Feed Depth Stop



Quill Feed Engagement
Lever



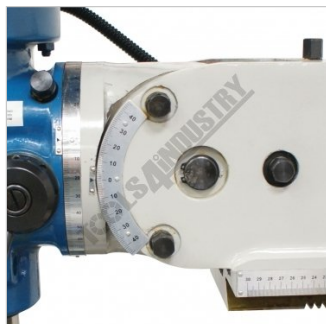
Feed Engage Disengage
Drive



Feed Selector



Lubrication Pump



Universal Tilting and Rotating
Head



Adjustable Swivel & Sliding
Ram



Tail Lug Spigot Supports
Slotting Head

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Concertina Slide Way Cover



Table Feed Limit Switches



X Axis Power Feed with Rapid



Knee Feed Handle



Cross Feed Handle



Head Side View



Head Controls



Safety Quill Guard

Description

The BM-40V Industrial turret milling machine is manufactured in Taiwan to a strict precision engineering ultra-high tolerance & superior excellence to cope with many jobs set out by the professional machinist, and importantly to deliver many years of valuable & reliable service.

This medium robust milling machine package is next in the line up from the BM-30A model and is also complete with a few of the most desirable features for example, easy to use variable spindle speed dial, 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, heavy duty X-axis auto power-feed with adjustable feed stops, 3-axis digital readout system fitted, manual operated oil pump to keep slides in perfect working order and also includes a machine vice & clamp kit set to get you started.

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-40V turret milling machine is the most common size machine that's found in approximately 70% of engineering workshops and when its put to the test it certainly performs its duties with no hesitation.

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Features

- 3 Axis digital readout fitted
- 3HP 415V motor, dial variable speed system (BM-40V)
- NT30 spindle taper with a chrome & ground quill
- Hardened & ground work table & slide-ways
- Turcite "B" coated X & Y Axis slide-ways reduces friction for smooth operation
- All slides utilise dovetail construction for maximum rigidity
- 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
- Align AL-500S X-Axis power-feed with adjustable micro switch feed stops
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.015, 0.04, 0.08mm/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
- Low voltage LED work light
- Tool box and manual

Includes

- 3-Axis digital readout fitted
- One-shot oil lubrication pump and reservoir
- Drawbar M12 thread
- Coolant system
- Slide-way covers
- X-Axis power-feed
- LED work light
- Machine vice (150mm)
- Clamp kit
- Safety cutter guard
- Swarf tray

Specifications

| | |
|--|------------------------|
| ORDER CODE | M607D |
| MODEL | BM-40V |
| Digital Readout | 3-Axis Digital Readout |
| Type | Vertical |
| Table Size (mm) | 1370 x 254 |
| Column Type | ~ |
| Spindle Taper - Vertical | NT30 |
| Spindle Taper - Horizontal | ~ |
| Longitudinal Travel (X-Axis) (mm) | 860 |
| Cross Travel (Y-Axis) (mm) | 360 |

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|--|----------------------|
| Vertical Travel (Z-Axis) (mm) | 425 |
| Type of Slides | Dovetail |
| Ram Travel (mm) | 508 |
| Spindle to Table (mm) | 505 |
| Spindle to Base | ~ |
| Spindle Travel / Diameter (mm) | 127 / 86 |
| Throat Depth (max.) (mm) | 735 |
| 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) | 0.015 / 0.04 / 0.08 |
| Power Feed - Longitudinal (X-Axis) (mm/min) | 20 - 2000 |
| Power Feed - Cross (Y-Axis) (mm/min) | Optional |
| Power Feed - Vertical (Z-Axis) (mm/min) | Optional |
| Table T-Slot Size (inch / mm) | 5/8 |
| Work Table Load Capacity (kg) | 300 |
| Spindle Speeds Vertical (No./ rpm) | Variable (70 - 3500) |
| Spindle Speeds Horizontal (No./ rpm) | ~ |
| Spindle Speeds - Universal Head | ~ |
| Motor Power - Vertical Spindle (kW / hp) | 2.2 / 3 |
| Motor Power - Horizontal Spindle (kW / hp) | ~ |
| Motor Power - Universal Head | ~ |
| Voltage / Amperage (V / amp) | 415 |
| Nett Weight (kg) | 1300 |