



HAFCO-METALMASTER BM-30A

Industrial Turret Milling Machine

Table Travel: (X) - 760mm (Y) - 360mm (Z) - 430mm



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Left View



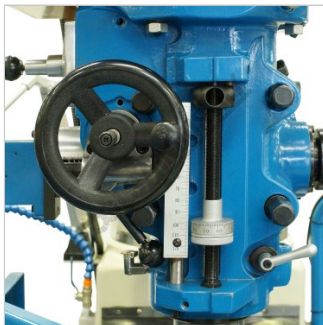
Control Panel



3 Axis Digital Readout System



Safety Chuck Guard



Quill Feed Depth Stop



Spindle Forward Reverse Switch



Feed Range Selector



Halogen Worklight and Coolant Hose



Table Feed Limit Switches



Quill Feed Engagement Lever



Head Controls



Spindle Brake Lever



Speed Chart



Head Right Side View



Head Left Side View

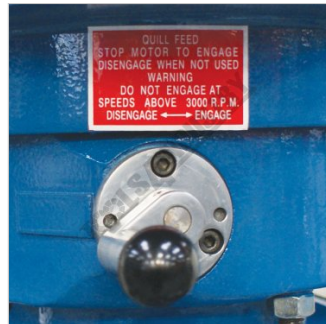


X Axis Dial

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Feed Engage Disengage Drive



Feed Engage Disengage Drive 2



Universal Tilting and Rotating Head



Adjustable Swivel Sliding Ram



Tail Lug Spigot Supports Slotting Head



X Axis Power Feed with Rapid



Knee Feed Handle



Lubrication Pump



Y Axis Handle

Description

The BM-30A 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 small but robust milling machine package is complete with a few of the most desirable features like, 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, X-axis auto power-feed with adjustable feed stops and a 3-axis digital readout counter plus X & Y scales fitted as standard.

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-30A turret milling machine may be small in structure but holds its own when put to the test to

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perform its duties to produce quality precise parts.

Features

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- 3HP 240V motor, 8-speeds V-belt drive system
- 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 CE-300S 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
- Slideway 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 counter fitted with 2-Axis X & Y scales only
- One-shot oil lubrication pump and reservoir
- Drawbar M12 thread
- Coolant system
- Slideway covers
- X-Axis power-feed
- LED Work light
- Safety cutter guard
- Swarf tray

Specifications

ORDER CODE	M603D
MODEL	BM-30A
Digital Readout	3-Axis Counter, X, Y Scales
Type	Vertical
Table Size (mm)	1270 x 254
Column Type	~
Spindle Taper - Vertical	NT30
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	760
Cross Travel (Y-Axis) (mm)	360

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Vertical Travel (Z-Axis) (mm)	430
Type of Slides	Dovetail
Ram Travel (mm)	520
Spindle to Table (mm)	505
Spindle to Base	~
Spindle Travel / Diameter (mm)	127 / 86
Throat Depth (max.) (mm)	740
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)	250
Spindle Speeds Vertical (No./ rpm)	8 (80 - 2720)
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)	240 / 20
Nett Weight (kg)	1100