

HAFCO-METALMASTER BM-22AD



Industrial Turret Milling Machine

Table Travel: (X) - 590mm (Y) - 295mm (Z) - 380mm



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Left View



Control Panel



3 Axis DRO with X and Y Axis Scales



X and Y Axis Scales



Head Controls



Spindle Brake Lever, High or Low Speed Selector and Belt Tension Lever



Speed Chart



8 Speed V Belt Drive System



Low High Speed Selector



Quill Feed Depth Stop



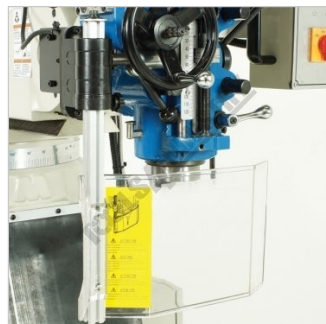
Quill Feed Engagement Lever



Feed Engage Disengage Lever



Quill Handle



Safety Cutter Guard



Hardened and Ground Work Table and Slide Ways



X Axis Power Feed With Rapid

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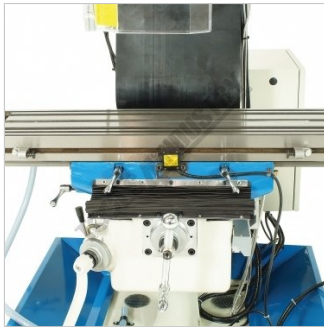


Table Feed Limit Switch



X Axis Dial



Y Axis Dial



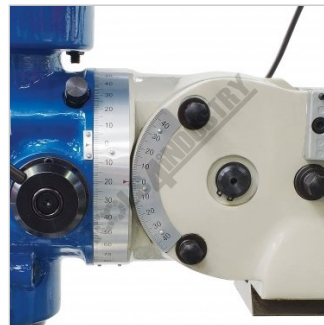
Knee Feed Handle



Z Axis Dial



Slide Way Cover



Tilting and Rotating Head



Adjustable Swivel and Sliding Ram



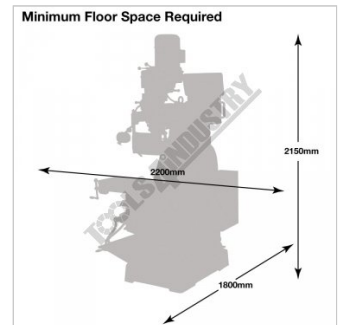
Tail Lug Supports Optional Slotting Head



One Shot Lubrication Pump



Halogen Worklight and Coolant Hose



Minimum Floor Space Required

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
- 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
- Asong X-Axis power-feed with adjustable micro switch feed stops
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.04, 0.08, 0.15mm/rev

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- 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
- Coolant system with flexible hose
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

- 3-Axis digital readout counter fitted with X & Y scales only
- One-shot oil lubrication pump and reservoir
- Drawbar M12 thread
- Coolant system
- Slideway covers
- X-Axis power-feed
- Halogen light
- Safety cutter guard
- Swarf tray

Specifications

ORDER CODE	M593D
MODEL	BM-22AD
Digital Readout	3-Axis Counter, X, Y Scales
Type	Vertical
Table Size (mm)	1066 x 230
Column Type	~
Spindle Taper - Vertical	NT30
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	595
Cross Travel (Y-Axis) (mm)	300
Vertical Travel (Z-Axis) (mm)	360
Type of Slides	Dovetail
Ram Travel (mm)	500
Spindle to Table (mm)	~
Spindle to Base	~
Spindle Travel / Diameter (mm)	127 / 86
Throat Depth (max.) (mm)	720
Tilting Head (Left ~ Right)	$\pm 90^\circ$
Tilting Head (Forward ~ Back)	$\pm 45^\circ$
Drilling Capacity (mm)	~
End Milling Capacity (mm)	~
Face Milling Capacity (mm)	~
Power Feed - Quill (mm/rev)	0.04 / 0.08 / 0.15
Power Feed - Longitudinal (X-Axis) (mm/min)	20 - 2000
Power Feed - Cross (Y-Axis) (mm/min)	Optional

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Power Feed - Vertical (Z-Axis) (mm/min)	Optional
Table T-Slot Size (inch / mm)	16
Work Table Load Capacity (kg)	250
Spindle Speeds Vertical (No./ rpm)	8 (65 - 2330)
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 / 15
Nett Weight (kg)	1100