

HAFCO METALMASTER BM-23A



Turret Milling Machine

(X) 585mm (Y) 295mm (Z) 400mm



HAFCO METALMASTER BM-23A Turret Milling Machine



Left View



Control Panel



3 Axis DRO with X & Y Axis Scales



Head Controls



Hardened and Ground Work Table



Spindle Break Lever High or Low Speed Selector and Belt Tension Handle



Heavy Duty 3hp 240V Motor



Drawbar



Spindle Speed Chart



High Low Speed Selection



Quill Feed Lever



Low High Speed Lever



Tail Lug Supports Optional Slotting Head



Tilting and Rotating Head



Tilting and Rotating Head Scales



Adjustable Swivel and Sliding Ram

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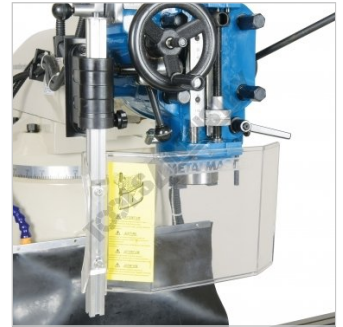
X & Y Axis Scales



Slide Way Cover



Quill Handle



Safety Cutter Guard



Quill Feed Depth Stop



Feed Selection Handle



Work Light and Coolant Hose



Table Feed Limit Switch



X Axis Power Feed with Rapid



X Axis Dial



X Axis Dial Other Side



Y Axis Dial



Z Axis Handle



Z Axis Dial



One Shot Lubrication System



Included Accessories



HAFCO METALMASTER BM-23A Turret Milling Machine

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
- 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
- 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	M595D
MODEL	BM-23A
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)	585
Cross Travel (Y-Axis) (mm)	295



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Vertical Travel (Z-Axis) (mm)	400
Type of Slides	Dovetail
Ram Travel (mm)	420
Spindle to Table (mm)	480
Quill Travel / Diameter (mm)	127 / 86
Throat Depth (max.) (mm)	545
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 / 0.15
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)	16
Work Table Load Capacity (kg)	250
Spindle Speeds Vertical (No./ rpm)	8 (65 - 2330)
Spindle Speeds Horizontal (No./ rpm)	~
Motor Power - Vertical (kW / hp)	2.2 / 3
Motor Power - Horizontal (kW / hp)	~
Voltage / Amperage (V / amp)	240 / 15
Shipping Dimensions (L x W x H) (cm)	150 x 150 x 215
Nett Weight (kg)	1100