

HAFCO-METALMASTER HM-50



Workshop Turret Milling Machine

Table Travel: (X) - 600mm (Y) - 220mm (Z) - 340mm



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X Axis Power Feed with Rapid

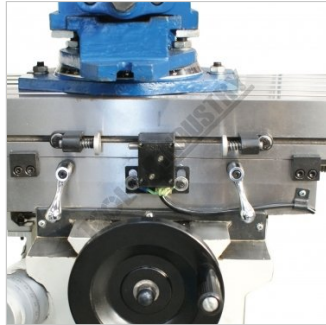
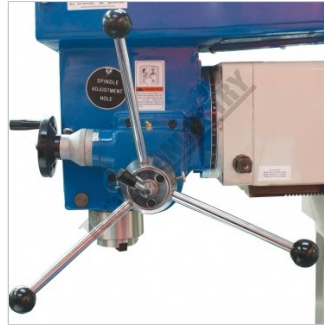


Table Feed Limit Switches



Quill Feed Handle and Fine Feed Dial



Spindle Speed Chart



Tilting Head Scale



Adjustable Swivel & Sliding Ram



Concertina Slide Way Cover



Coolant Pump



Halogen Light



Knee Feed Handle



Control Panel



Coolant Hose



Accessories Included, Metric Collet Chuck, Drill Chuck & Arbor, Morse Taper Adaptors

HAFCO-METALMASTER Workshop Turret Milling Machine HM-50**Description**

A well-built entry level turret milling / drilling machine with a powerful continuous-load 1.5kW / 2hp motor, intended for trade use. The work table is precision made with adjustable dovetail guides and is recognised for its 600mm X axis by 200mm Y axis travel. There is a three armed handle on the side for drilling also incorporating a fine feed control hand wheel on the front for milling. The screwed belt guard covers on each side of the head offer secure safety whilst providing easy access to the belts and pulleys for speed changing.

Other features include taper roller bearing support for the spindle, easy-to-read drilling depth stop, low voltage work light, 8 piece metric collet chuck set, coolant system, X axis power feed unit, drill chuck, 2 & 3 morse taper adaptors. The combination of generous sized vertical support and rugged cast iron construction throughout reduces vibration and guarantees accurate and chatter-free operation.

Features

- Mill head tilts to $\pm 90^\circ$ left to right
 - 340mm horizontally sliding and rotating ram
 - NT30 vertical spindle is hardened and ground
 - Precision-ground dovetail slide-ways and table
 - Precision milling table incorporating machined T-slots
 - Rear concertina slide-way cover
 - Forward and reverse on/off switch
 - Fine hand wheel operated quill feed
 - Swarf & splash tray
 - Spindle lock for quill
 - Metric dial graduations @ 0.02mm for X , Y & Z-Axis
 - Vertical dial graduations on hand wheel @ 0.05mm
 - All slides utilise dovetail construction for maximum rigidity
- * Note: X & Y travels maybe reduced due to safety stops
- * Note: Optional Y & Z power feeds require additional parts & fitting (not included)

Includes

- X-Axis power-feed
- Safety cutter guard
- Swarf tray
- Coolant system
- Halogen lamp
- Drill chuck & arbor
- 2 & 3MT adaptors
- 8-piece metric collet chuck set (4-16mm)

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Specifications

ORDER CODE	M160
MODEL	HM-50
Digital Readout	Optional
Type	Vertical
Table Size (mm)	1000 x 240
Column Type	~
Spindle Taper - Vertical	NT30
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	600*
Cross Travel (Y-Axis) (mm)	220*
Vertical Travel (Z-Axis) (mm)	340
Type of Slides	Dovetail
Ram Travel (mm)	340
Spindle to Table (mm)	430
Spindle to Base	~
Spindle Travel / Diameter (mm)	125 / 90
Throat Depth (max.) (mm)	600
Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity (mm)	30
End Milling Capacity (mm)	25
Face Milling Capacity (mm)	80
Power Feed - Quill (mm/rev)	Manual
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)	14
Work Table Load Capacity (kg)	175
Spindle Speeds Vertical (No./ rpm)	9 (220 - 2400)
Spindle Speeds Horizontal (No./ rpm)	~
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	1.5 / 2
Motor Power - Horizontal Spindle (kW / hp)	~
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	850