

# HAFCO METALMASTER HM-48B

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Mill Drill - Geared & Tilting Head with Digital Readout System

Table Travel: (X) - 670mm (Y) - 205mm (Z) - 380mm



SHAW MACHINERY 12 FILMER ST CLONTARF, QLD 4019 PH: 0738832731



## HAFCO METALMASTER HM-48B Mill Drill - Geared & Tilting Head with Digital Readout System



Swivel Head - 45 Degrees Left or Right



45 Degrees To Right



Mill Head Close Up





Left View





**Digital Readout System** 



Spindle Speed Controls





**Control Panel** 



Quill Depth Stop Gauge



Quill Feed Handle



www.machineryhou Digital Readout on Quill Depth



Fine Feed Handle



Motorized Z Axis



Mill Head Limiter Safety Switch



Power Feed Longitudinat X Axis



Milling Cutter

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### HAFCO METALMASTER HM-48B Mill Drill - Geared & Tilting Head with Digital Readout System



Swivel Safety Guard



Also Manual Handle Rack and Pinion Wind Up Head



Large Ground Work Table with T Slots



Main Switch



Table Limit Switches



2HP 240V Motor



Table Feed Hand Wheel



**Table Coolant Return** 



Speed Chart

#### Description

This NEW HM-48B milling machines is somewhat like the HM-47B model, but with the additional benefit of a large 1000 x 240mm machine worktable with more travels, an X-Axis auto power feed unit mounted to left side of the table and a motorised Z-Axis for repositioning the mill head height up or down automatically via the switches on the control panel.

The HM-48B also has a tapping function switch to allow you to control the required depth when tapping holes, a coolant pump system with flexible hose & nozzle, a halogen work light on a flexible arm to adjust the light beam as needed and a very sturdy fabricated stand with an access panel.

The HM-48B also has a 3-Axis digital readout system fitted for accurate table positioning in all 3 X, Y & Z Axis, 6-speeds 95-1650rpm, gear driven head which can be tilted up to 90° either side of the vertical. This feature allows the head to be positioned in a variety of positions, allowing a whole range of milling, slotting, grooving, drilling and



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boring operations to be carried out on different angles. The milling head is also mounted to a vertical dovetail slide system that allows the head to maintain on the exact same centre position when raising or lowering.

The quill movement is also coupled to a digital depth counter mounted on the face of the machine for convenience and allows you to achieve accurate drilling or milling depths. Tilting the head can be also measured accurately via the digital head gauge mounted on the right side of the mill head.

#### Features

- 3-Axis digital readout system
- Large 1000 x 240mm ground work table with T-slots
- Powerful 2HP-240V gear driven head
- 6 spindle speeds ranging from 95-1650rpm
- 3MT spindle with 75mm diameter lockable quill
- Drilling/Milling & Tapping Functions
- Mill head tilts up to 90° left or 45° right
- Motorised head for Z-Axis travel with dovetail slides
- Longitudinal X-Axis power feed with adjustable micro switch feed stops
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine down feed handwheel operating quill feed with adjustable stop
- Digital depth display with zero reset for quill (Includes LR44 battery)
- Digital display bevel box to set head tilting (Includes AAA battery)
- · Forward and reverse on/off switch
- Metric dial graduations @ 0.05mm for X & Y-Axis
- · Rear slide-way cover and slide clamps on all axis
- Fixed control panel
- · Coolant system with flexible hose
- Heavy duty fabricated stand with coolant & swarf tray
- \* Note: X & Y travels maybe reduced due to digital readout scales and safety stops

#### Includes

- 3-Axis digital readout system
- · Heavy duty fabricated stand with coolant & swarf collection tray
- Coolant system
- X-Axis power feed unit
- Motorised Z-Axis head
- Halogen light
- Digital depth display
- Digital tilting head gauge
- Drill chuck & arbor
- Drill sleeve 3MT 2MT
- Face cutter & arbor
- Safety cutter guard
- 1/2" x 12TPI drawbar
- M12 x 1.75mm drawbar



## HAFCO METALMASTER HM-48B Mill Drill - Geared & Tilting Head with Digital Readout System

Specifications

MODELHM-48BDigital Readout3-Axis Digital ReadoutTypeVerticalTable Size (mm)100 x 240Column TypeDovetailSpindle Taper - Vertical3MTSpindle Taper - Vertical3MTCongitudinal Travel (X-Axis) (mm)670 *Cross Travel (Y-Axis) (mm)205 *Vertical Travel (Z-Axis) (mm)380Type of SildesDovetailRam Travel (mm)~Spindle to Table (mm)480Spindle to Table (mm)120 / 75Throat Depth (max) (mm)265Tilting Head (Forward ~ Back)FixedDrilling Capacity (mm)31.5End Milling Capacity (mm)31.5End Milling Capacity (mm)80Power Feed - Cungitudinal (X-Axis) (mm/imi)~Power Feed - Cross (Y-Axis) (mm/imi)~Power Feed - Cross (Y-Axis) (mm/imi)~Power Feed - Vertical (Z-Axis) (mm/imi)~Power Feed - Vertical (X-Axis) (mm/imi)~Power Feed - Vertical (X-Axis) (mm/imi)~Power Feed - Cross (Y-Axis) (mm/imi)~Power Feed - Vertical (X-Axis) (mm/imi)~Power Feed - Vertical (X-A	ORDER CODE	M141D
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Spindle Speeds - Universal Head~Motor Power - Vertical Spindle (kW / hp)1.5 / 2Motor Power - Horizontal Spindle (kW / hp)~Motor Power - Universal Head~Voltage / Amperage (V / amp)240 / 10Shipping Dimensions (L x W x H) (cm)122 x 95 x 115	Spindle Speeds Vertical (No./ rpm)	6 (95 - 1650)
Motor Power - Vertical Spindle (kW / hp)1.5/2Motor Power - Horizontal Spindle (kW / hp)~Motor Power - Universal Head~Voltage / Amperage (V / amp)240 / 10Shipping Dimensions (L x W x H) (cm)122 x 95 x 115	Spindle Speeds Horizontal (No./ rpm)	~
Motor Power - Horizontal Spindle (kW / hp)~Motor Power - Universal Head~Voltage / Amperage (V / amp)240 / 10Shipping Dimensions (L x W x H) (cm)122 x 95 x 115	Spindle Speeds - Universal Head	~
Motor Power - Universal Head~Voltage / Amperage (V / amp)240 / 10Shipping Dimensions (L x W x H) (cm)122 x 95 x 115	Motor Power - Vertical Spindle (kW / hp)	1.5/2
Voltage / Amperage (V / amp) 240 / 10   Shipping Dimensions (L x W x H) (cm) 122 x 95 x 115		~
Shipping Dimensions (L x W x H) (cm) 122 x 95 x 115	Motor Power - Universal Head	~
		240 / 10
Nett Weight (kg) 450		122 x 95 x 115
	Nett Weight (kg)	450