

HAFCO-METALMASTER HM-47B



Mill Drill - Geared & Tilting Head with Digital Readout System

Table Travel: (X) - 540mm (Y) - 205mm (Z) - 385mm



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Swivel Head-45 Degrees Left or Right



45 Degrees To Right



Mill Head Close Up



Front View



Left View



Digital Readout System



Spindle Speed Controls



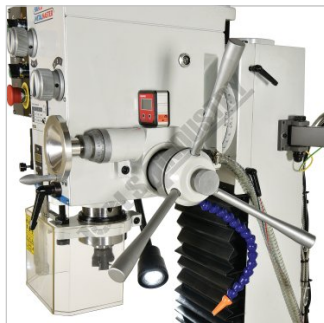
Control Panel



Quill Depth Stop Gauge



Digital Readout on Quill Depth



Quill Feed Handle



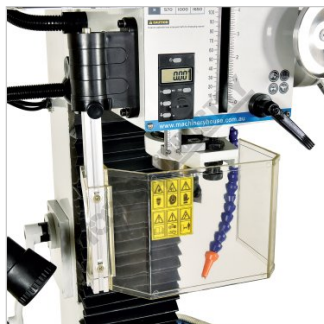
Fine Quill Feed Hand Wheel



Tilting Head Scale



Milling Cutter



Interlocked Spindle Safety Guard



Large Ground Work Table with T Slots

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Table Limit Switches



Table Feed Hand Wheel



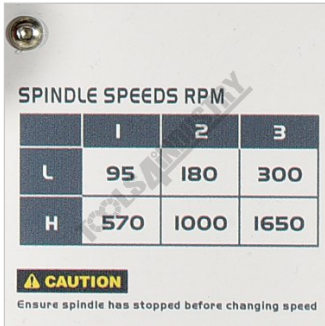
Rack and Pinion Wind Up Head



2HP 240V Motor



Main Switch



Speed Chart

Description

This NEW HM-47B milling machines is somewhat like the HM-46B model, but with the additional benefit of a larger machine worktable with more travels, a tapping function switch to allow you to control the required depth when tapping holes, a coolant pump system with flexible hose & nozzle, a LED 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-47B also has a 3-Axis digital readout counter fitted with 2-Axis X & Y scales for accurate table positioning with ease, 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 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.

Also available is an optional power feed attachment which fits to the left-hand end of the table and provides a smooth, variable speed longitudinal drive.

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Features

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
 - Large 800 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 to $\pm 90^\circ$ from vertical with digital display
 - Dovetail vertical Z-Axis with rack and pinion wind-up head
 - Adjustable leadscrew nuts eliminating backlash on both axis
 - Adjustable table stops with table locks
 - 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
 - LED work light
- * Note: X & Y travels maybe reduced due to digital readout scales and safety stops

Includes

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- Heavy duty fabricated stand with coolant & swarf collection tray
- Coolant system
- LED work light
- Digital depth display
- Digital tilting head gauge
- Drill chuck & arbor
- Drill sleeve - 3MT - 2MT
- Face cutter & arbor
- Interlocked spindle safety guard
- 1/2" x 12TPI drawbar
- M12 x 1.75mm drawbar

Specifications

ORDER CODE	M140D
MODEL	HM-47B
Digital Readout	3-Axis Counter, X, Y Scales
Type	Vertical
Table Size (mm)	800 x 240
Column Type	Dovetail
Spindle Taper - Vertical	3MT
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	540*
Cross Travel (Y-Axis) (mm)	205*

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Vertical Travel (Z-Axis) (mm)	385
Type of Slides	Dovetail
Ram Travel (mm)	~
Spindle to Table (mm)	485
Spindle to Base	~
Spindle Travel / Diameter (mm)	120 / 75
Throat Depth (max.) (mm)	265
Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity (mm)	31.5
End Milling Capacity (mm)	28
Face Milling Capacity (mm)	80
Power Feed - Quill (mm/rev)	~
Power Feed - Longitudinal (X-Axis) (mm/min)	Optional
Power Feed - Cross (Y-Axis) (mm/min)	~
Power Feed - Vertical (Z-Axis) (mm/min)	~
Table T-Slot Size (inch / mm)	14
Work Table Load Capacity (kg)	55
Spindle Speeds Vertical (No./ rpm)	6 (95 - 1650)
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)	430