

## HAFCO-METALMASTER HM-48



Mill Drill - Geared & Tilting Head with Digital Readout System

Table Travel: (X) - 540mm (Y) - 185mm (Z) - 410mm



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



Front View



Left View



Rear View



Right View Close up



Front View Close Up



Left View Close Up



Left Side View



Right Side View



Swivel Head 45 Degrees



Swivel Head 45 Degrees Front View



3 Axis Digital Readout



Control Panel



Swivel Head Scale



Swivel Head Digital Angle Scale



Spindle Speed Controls



Quill Depth Stop Gauge

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Digital Readout On Quill Depth

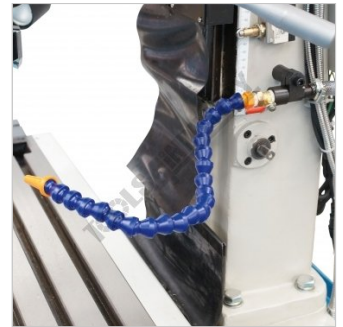
SPINDLE SPEEDS (r/min)

	I-L	I-M	I-H
50Hz	95	170	280
	II-L	II-M	II-H
50Hz	540	960	1600

Spindle Speeds Chart



Quill Handle



Flexible Coolant Hose



Vertical Axis Limit Switch



Motorised Vertical Axis



Table Feed Hand Wheel



Power Feed X Axis



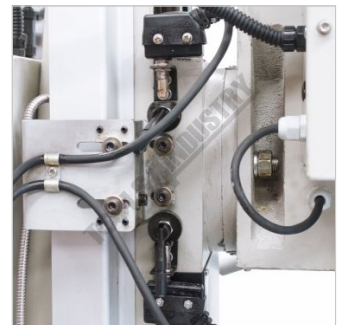
Table Limit Switches



Work Table



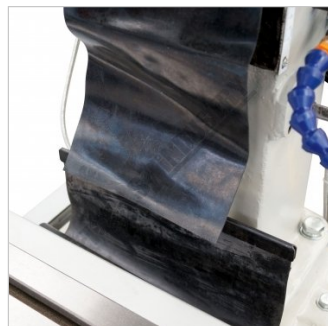
Digital Readout Scales



Vertical Axis Locks & Limit Micro Switches



Vertical Axis Dovetail Slide



Slide Covers



Drawbar



Drawbar Cover

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



Includes Milling Cutter



Work Light



Safety Cutter Guard



Coolant System



Coolant Return Drain Hose



Includes Drill Chuck & Arbor,  
Milling Cutter, Digital Angle Gauge  
& Tools

### Features

- 3 Axis digital readout system
- Gear driven head with 6 speeds
- Dovetail vertical Z-Axis
- Digital tilting head gauge
- Mill head tilts to  $\pm 90^\circ$  from vertical with digital display
- Large 820 x 240mm ground work table with T-slots
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed hand wheel operating quill feed
- Digital depth display with zero reset for quill (Includes LR44 battery)
- Longitudinal X-Axis power feed
- Motorised head for Z-Axis travel
- Forward and reverse on/off switch
- 3MT spindle with 75mm diameter lockable quill
- Adjustable table and drill length stops
- Metric dial graduations @ 0.05mm for X & Y-Axis
- Rear slide-way cover and slide clamps on all axis
- Table lock on both axis
- Heavy duty fabricated stand with coolant tray
- Includes stand, coolant system, swarf tray, drill chuck & arbor, face mill cutter & arbor & work light
- \* Note: X, Y & Z travels maybe reduced due to digital readout scales and safety stops

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

### Includes

- 3 Axis digital readout system
- Heavy duty fabricated stand
- Coolant system
- X-Axis power feed unit
- Motorised vertical head motor
- Digital depth display
- Digital tilting head gauge
- Halogen light
- Drill chuck & arbor
- Face mill cutter & arbor
- Safety cutter guard
- Machine stand
- 1/2" x 12TPI drawbar

### Specifications

<b>ORDER CODE</b>	M126D
<b>MODEL</b>	HM-48
<b>Digital Readout</b>	3-Axis Digital Readout
<b>Type</b>	Vertical
<b>Table Size (mm)</b>	820 x 240
<b>Column Type</b>	Dovetail
<b>Spindle Taper - Vertical</b>	3MT
<b>Spindle Taper - Horizontal</b>	~
<b>Longitudinal Travel (X-Axis) (mm)</b>	540*
<b>Cross Travel (Y-Axis) (mm)</b>	185*
<b>Vertical Travel (Z-Axis) (mm)</b>	410
<b>Type of Slides</b>	Dovetail
<b>Ram Travel (mm)</b>	~
<b>Spindle to Table (mm)</b>	490
<b>Spindle to Base</b>	~
<b>Spindle Travel / Diameter (mm)</b>	120 / 75
<b>Throat Depth (max.) (mm)</b>	273
<b>Tilting Head (Left ~ Right)</b>	±90°
<b>Tilting Head (Forward ~ Back)</b>	Fixed
<b>Drilling Capacity (mm)</b>	31.5
<b>End Milling Capacity (mm)</b>	28
<b>Face Milling Capacity (mm)</b>	80
<b>Power Feed - Quill (mm/rev)</b>	~
<b>Power Feed - Longitudinal (X-Axis) (mm/min)</b>	Yes
<b>Power Feed - Cross (Y-Axis) (mm/min)</b>	~
<b>Power Feed - Vertical (Z-Axis) (mm/min)</b>	~
<b>Table T-Slot Size (inch / mm)</b>	14
<b>Work Table Load Capacity (kg)</b>	55
<b>Spindle Speeds Vertical (No./ rpm)</b>	6 (95 - 1600)
<b>Spindle Speeds Horizontal (No./ rpm)</b>	~
<b>Spindle Speeds - Universal Head</b>	~

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

<b>Motor Power - Vertical Spindle (kW / hp)</b>	1.5 / 2
<b>Motor Power - Horizontal Spindle (kW / hp)</b>	~
<b>Motor Power - Universal Head</b>	~
<b>Voltage / Amperage (V / amp)</b>	240 / 10
<b>Nett Weight (kg)</b>	430