

## HAFCO-METALMASTER HM-52



Workshop Turret Milling Machine Horizontal - Vertical

Table Travel: (X) - 600mm (Y) - 200mm (Z) - 340mm



Shown with Optional Vice

## HAFCO-METALMASTER Workshop Turret Milling Machine Horizontal - Vertical HM-52



Quill Feed Handle and Fine Feed Dial



Horizontal Spindle



X Axis Power Feed with Rapid



Spindle Speed Chart



Tilting Head Scale



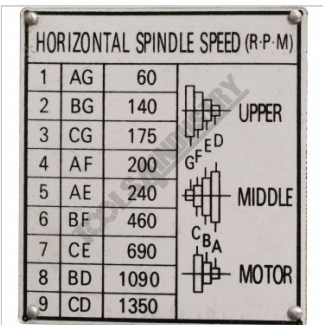
Adjustable Swivel & Sliding Ram



Concertina Slide Way Cover



Swivel Table & Feed Limit Switches



Horizontal Speed Spindle Chart



Vertical Spindle Switch



Knee Feed Handle



Horizontal Spindle Support



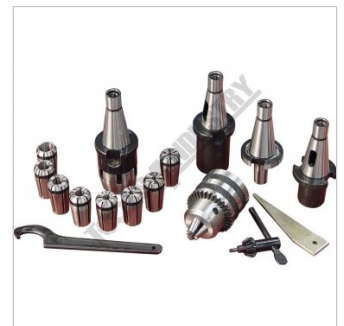
Halogen Light



Horizontal Spindle Switch



Coolant Pump



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

**HAFCO-METALMASTER Workshop Turret Milling Machine Horizontal - Vertical HM-52****Description**

A well-built entry level turret milling vertical and horizontal, drilling machine with a powerful continuous-load 1.5kW 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.

Extra Features:

Swivel Table

2 Arbors for the Horizontal spindle

**Features**

- Swivel table & two arbors for the Horizontal spindle
  - Mill head tilts to  $\pm 90^\circ$  left to right.
  - 500mm horizontally sliding and rotating ram
  - NT30 Horizontal and vertical spindles that are 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 handwheel 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)

## HAFCO-METALMASTER Workshop Turret Milling Machine Horizontal - Vertical HM-52

### Specifications

<b>ORDER CODE</b>	M161
<b>MODEL</b>	HM-52
<b>Digital Readout</b>	Optional
<b>Type</b>	Vertical & Horizontal
<b>Table Size (mm)</b>	1000 x 240
<b>Column Type</b>	~
<b>Spindle Taper - Vertical</b>	NT30
<b>Spindle Taper - Horizontal</b>	NT30
<b>Longitudinal Travel (X-Axis) (mm)</b>	600
<b>Cross Travel (Y-Axis) (mm)</b>	200
<b>Vertical Travel (Z-Axis) (mm)</b>	340
<b>Type of Slides</b>	Dovetail
<b>Ram Travel (mm)</b>	500
<b>Spindle to Table (mm)</b>	375
<b>Spindle to Base</b>	~
<b>Spindle Travel / Diameter (mm)</b>	125 / 90
<b>Throat Depth (max.) (mm)</b>	640
<b>Tilting Head (Left ~ Right)</b>	±90°
<b>Tilting Head (Forward ~ Back)</b>	Fixed
<b>Drilling Capacity (mm)</b>	~
<b>End Milling Capacity (mm)</b>	~
<b>Face Milling Capacity (mm)</b>	~
<b>Power Feed - Quill (mm/rev)</b>	Manual
<b>Power Feed - Longitudinal (X-Axis) (mm/min)</b>	20 - 2000
<b>Power Feed - Cross (Y-Axis) (mm/min)</b>	Optional *
<b>Power Feed - Vertical (Z-Axis) (mm/min)</b>	Optional *
<b>Table T-Slot Size (inch / mm)</b>	14
<b>Work Table Load Capacity (kg)</b>	175
<b>Spindle Speeds Vertical (No./ rpm)</b>	9 (220 - 2400)
<b>Spindle Speeds Horizontal (No./ rpm)</b>	9 (60 - 1350)
<b>Spindle Speeds - Universal Head</b>	~
<b>Motor Power - Vertical Spindle (kW / hp)</b>	1.5 / 2
<b>Motor Power - Horizontal Spindle (kW / hp)</b>	1.5 / 2
<b>Motor Power - Universal Head</b>	~
<b>Voltage / Amperage (V / amp)</b>	240 / 10
<b>Nett Weight (kg)</b>	1050