

HAFCO-METALMASTER HM-52G



Workshop Turret Milling Machine Geared Head Horizontal - Vertical

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



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Left View



Mill Head Front View



Mill Head Right View



3 Axis Digital Readout

HORIZONTAL VERTICAL MILLING MACHINE 30INT-415 V																
MODEL	HM52G															
DRILLING	30mm															
MILLING	25mm															
MOTOR	0.85/1.5kw															
SERIAL NO.																
DATE																
ADN 009 717 668																
SPINDLE SPEED (R.P.M) 50HZ																
	<table border="1"> <tr> <th></th> <th>LOW SPEED</th> <th>HIGH SPEED</th> </tr> <tr> <td>BC</td> <td>115</td> <td>230</td> </tr> <tr> <td>AC</td> <td>290</td> <td>580</td> </tr> <tr> <td>BD</td> <td>360</td> <td>720</td> </tr> <tr> <td>AD</td> <td>875</td> <td>1750</td> </tr> </table>		LOW SPEED	HIGH SPEED	BC	115	230	AC	290	580	BD	360	720	AD	875	1750
	LOW SPEED	HIGH SPEED														
BC	115	230														
AC	290	580														
BD	360	720														
AD	875	1750														

Spindle Speed Chart



Control Panel



Safety Chuck Guard



Quill Fine Adjustment Handle



Quill Handle



Vertical Spindle Speed Levers



Horizontal Spindle



Horizontal Spindle Switch

HORIZONTAL SPINDLE SPEED (R.P.M)								
1	AG	60						
2	BG	140						
3	CG	175						
4	AF	200						
5	AE	240						
6	BF	460						
7	CE	690						
8	BD	1090						
9	CD	1350						
		<table border="1"> <tr> <td>UPPER</td> <td>E D</td> </tr> <tr> <td>MIDDLE</td> <td>G F</td> </tr> <tr> <td>MOTOR</td> <td>C B A</td> </tr> </table>	UPPER	E D	MIDDLE	G F	MOTOR	C B A
UPPER	E D							
MIDDLE	G F							
MOTOR	C B A							

Horizontal Spindle Speed Chart



Tilting Head Scale



Adjustable Swivel and Sliding Ram

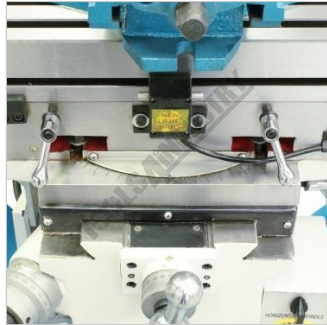


Horizontal Spindle Support

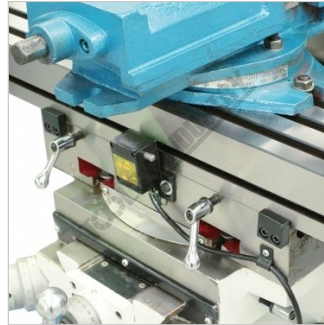
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Halogen Work Light and Coolant Hose



Swivel Table



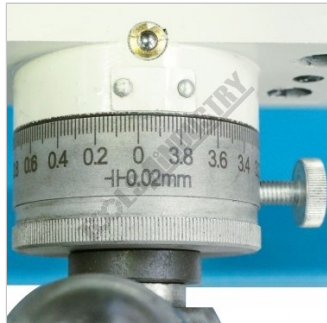
Feed Limit Switches



X Axis Power Feed with Rapid



X Axis Dial



Y Axis Dial



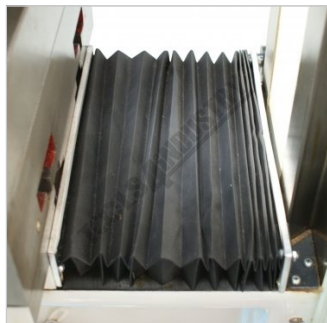
Z Axis Dial



Knee Feed Handle



Coolant Pump



Concertina Slide Way Cover



Shown with Vice Fitted



Accessories Included, 150mm Vice, Metric Collet Chuck, Drill Chuck and Arbor, Morse Taper Adaptors



Horizontal Arbors

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

A well-built entry level geared head, turret milling, vertical and horizontal, 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. Two levers mounted on right side of milling head enables quick change off the geared spindle speeds.

Other features include 3-Axis digital readout system, taper roller bearing support for the spindle, easy-to-read drilling depth stop, low voltage work light, 150mm machine vice, 8 piece metric collet chuck set, coolant system, X axis power feed unit, drill chuck, 1" & 1-1/4" horizontal arbors, 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

1" & 1-1/4" horizontal arbors

Features

- 3 Axis digital readout system
 - Swivel table left & right with graduated scale
 - 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 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
 - Includes 1" & 1-1/4" arbors for the horizontal spindle
- * Note: X & Y travels maybe reduced due to digital readout scales and safety stops
* Note: Optional Y & Z power feeds require additional parts & fitting (not included)

Includes

- 3 Axis digital readout system
- X-Axis power-feed
- Safety cutter guard
- Swarf tray
- Coolant system
- Halogen lamp
- 150mm machine vice
- Drill chuck & arbor
- 2 & 3MT adaptors
- 8-piece metric collet chuck set (4-16mm)

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Specifications

ORDER CODE	M163D
MODEL	HM-52G
Digital Readout	3-Axis Digital Readout
Type	Vertical & Horizontal
Table Size (mm)	1000 x 240
Column Type	~
Spindle Taper - Vertical	NT30
Spindle Taper - Horizontal	NT30
Longitudinal Travel (X-Axis) (mm)	600*
Cross Travel (Y-Axis) (mm)	200*
Vertical Travel (Z-Axis) (mm)	340
Type of Slides	Dovetail
Ram Travel (mm)	500
Spindle to Table (mm)	375
Spindle to Base	~
Spindle Travel / Diameter (mm)	125 / 90
Throat Depth (max.) (mm)	640
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)	8 (115 - 1750)
Spindle Speeds Horizontal (No./ rpm)	9 (60 - 1350)
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	1.5 / 2
Motor Power - Horizontal Spindle (kW / hp)	1.5 / 2
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	415
Nett Weight (kg)	1050