

Product Brochure For M161

Workshop Turret Milling Machine Horizontal - Vertical - HM-52

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



Shown with Optional Vice



ORDER CODE:	M161
MODEL:	HM-52
Digital Readout:	Optional
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):	~
End Milling Capacity (mm):	~
Face Milling Capacity (mm):	~
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):	9 (220 - 2400)
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):	240 / 10
Nett Weight (kg):	1050

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 ±90° left to right.
- 500mm horizontally sliding and rotating ram
- NT30 Horizontal and vertical spindles that are hardened and ground

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- 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)

Specific Features



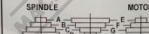
Quill Feed Handle and Fine Feed Dial



Horizontal Spindle



X Axis Power Feed with Rapid

HORIZONTAL VERTICAL MILLING MACHINE 30INT-240V					
MODEL	HMS2				
DILLING	30	mm			
WILLING	25	mm			
MOTOR	1.5 KW				
SERIAL NO					
DATE					
ACN 009 717 668					
SPINDLE SPEED (R.P.M)		MOTOR			
					
DE	220	DG	760		
CE	320	AF	1300		
DF	400	BG	1600		
BE	500	AG	2400		
CF	700				

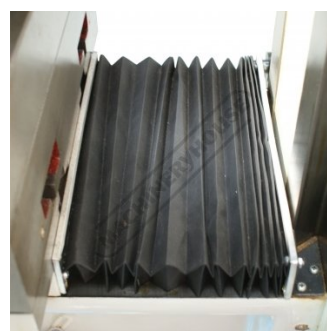
Spindle Speed Chart



Tilting Head Scale



Adjustable Swivel & Sliding Ram



Concertina Slide Way Cover



Swivel Table & Feed Limit Switches

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HORIZONTAL SPINDLE SPEED (R.P.M)			
1	AG	60	UPPER
2	BG	140	
3	CG	175	
4	AF	200	MIDDLE
5	AE	240	
6	BF	460	
7	CE	690	MOTOR
8	BD	1090	
9	CD	1350	

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

Recommended Accessories

M229

Power Feed Unit



L300

Magnetic Swarf Remover



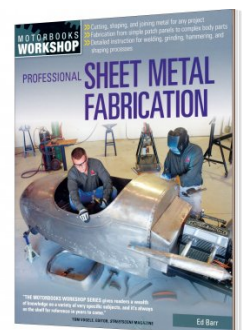
M9991

Magnetic Floor Sweeper



L3455

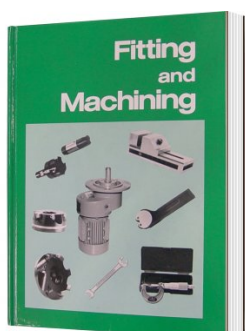
Professional Sheet Metal Fabrication Book



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L341

Fitting and Machining Technical Book



V106

Vertex K-Type Milling Vice



C0965

Clamp Kit 58 piece - Workshop Series



M540

Face Mill Arbor



M530

Universal Milling Kit - 4 Piece



M333

Metric HSS Slot Drill & End Mill Set - 12 Piece



M335

Imperial HSS Slot Drill & End Mill Set - 12 Piece



R004

Vertex Super Indexing Head



R006

Vertex Rotary Table



M242

Angle Plate - Precision Ground



M243

Angle Plate - Precision Ground



M182

Precision Boring Head Kit



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M183
Precision Boring Head Kit



M184
Precision Boring Head



M193
Boring Head Shank



M197
Boring Head Shank



M250
Parallel Set - 8 Piece



M252
Parallel Set - 18 Piece



M180
Boring Bar Set - 9 piece



M181
Boring Bar Set - 12 piece



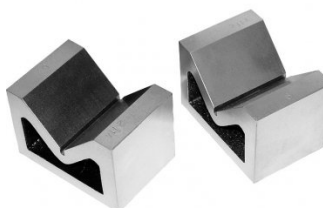
V010
Alloy Steel Vee Block



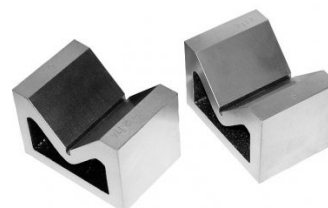
V003
Cast Iron Vee Block



V004
Cast Iron Vee Block



V006
Cast Iron Vee Block



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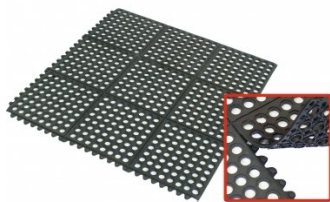
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



S090A

Soluble Metal Cutting Fluid - 1 Litre



S090

Soluble Metal Cutting Fluid - 5 Litre



S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S075

Cutting Tool Lubricant Paste - 200g



S074

Cutting Tool Lubricant Paste - 500g



O000

SpillFix Universal Organic Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



Product Brochure For M161

O044

Rust & Corrosion Preventive

