

Product Brochure For M579

HM-54GV - Workshop Turret Milling Machine Inverter Variable Speed, Geared Head - Horizontal & Vertical

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

Includes Digital Readout System & Swivel Table

On Sale

Ex GST	Inc GST
\$9,174.00	\$10,550.10
\$8,500.00	\$9,775.00



ORDER CODE:	M579
MODEL:	HM-54GV
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):	450
Spindle to Table (mm):	375
Spindle to Base:	~
Spindle Travel / Diameter (mm):	120 / 90
Throat Depth (max.) (mm):	640
Tilting Head (Left ~ Right):	±45°
Tilting Head (Forward ~ Back):	Fixed
Drilling Capacity (mm):	40
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):	160
Spindle Speeds Vertical (No./ rpm):	Variable (100 - 2000)
Spindle Speeds Horizontal (No./ rpm):	9 (60 - 1350)
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	2.2 / 3
Motor Power - Horizontal Spindle (kW / hp):	1.5 / 2
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	900

Description

This HM-54GV geared head vertical and horizontal turret milling machine now includes a inverter variable speed drive on the vertical spindle, with a powerful continuous-load 2.2kW / 3hp vertical motor and a 2hp motor for the horizontal spindle, 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 hi-low geared head selector lever mounted on right side of milling head allows for quick change off speed range.

Other features include 3-Axis digital readout system, taper roller bearing support for the spindle, easy-to-read drilling depth stop, low voltage LED work light, 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

Product Brochure For M579

1" & 1-1/4" horizontal arbors

Features

- Electronic inverter variable spindle speeds
 - 3 Axis digital readout system
 - Swivel table left & right with graduated scale
 - Mill head tilts to $\pm 45^\circ$ left to right
 - 450mm 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 button 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 quill hand-wheel dial graduations @ 0.05mm
 - All slides utilise dovetail construction for maximum rigidity
 - Includes 1" & 1-1/4" arbors for the horizontal spindle
- * Note: X travel maybe reduced due to digital readout scales and safety stops

Includes

- Electronic inverter variable spindle speeds
- 3 Axis digital readout system
- X-Axis power-feed
- Safety cutter guard
- Swarf tray
- Coolant system
- LED work light
- Drill chuck & arbor
- NT30 to 3MT adaptor
- 2MT & 3MT adaptors
- M12 x 1.75mm Drawbar

Specific Features



Left View



Head Controls



3 Axis Digital Readout System



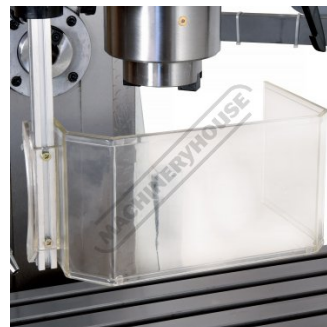
Control Panel With Digital Speed Readout



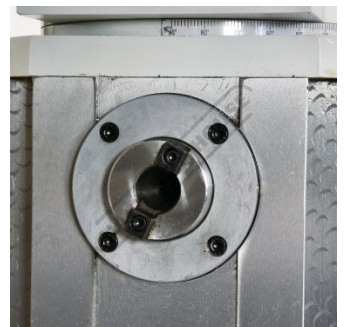
Vertical Variable Speed Motor



Vertical Spindle With Quill Lock



Safety Cutter Guard



Horizontal Spindle

Product Brochure For M579



Horizontal Spindle Support



Horizontal Spindle Control Panel

HORIZONTAL SPINDLE SPEED CHART

BELT POSITION & RPM			
1	AG	60	UPPER
2	BG	140	
3	CG	175	
4	AF	200	MIDDLE
5	AE	240	
6	BF	460	MOTOR
7	CE	690	
8	BD	1100	
9	CD	1350	

Horizontal Spindle Speed Chart



Quill Feed-Fine Feed Handles



Fine Feed Quill Dials-Handle Dials



High Low Speed Gear Selector



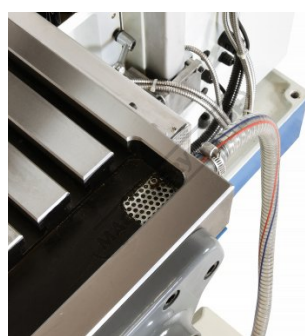
Concentina Slidaway Cover



Tilt Head- 45 Degree



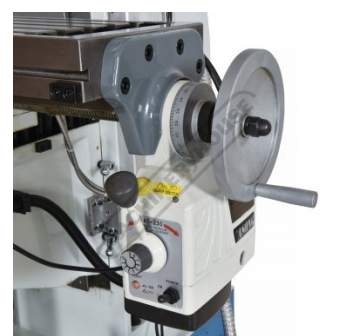
Rotating Adjustable Sliding Ram



Work Table Coolant Return



Worklight And Coolant Hose



X Axis Power Feed With Rapid

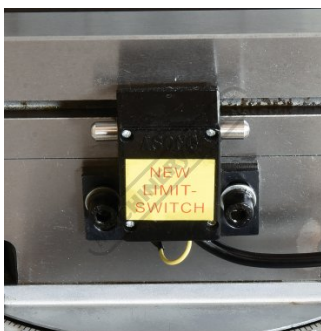


Table Feed Limit Switch



Adjustable Table Stops



Swivel Table Scale



Hardened Ground Work Table

Product Brochure For M579



Z Axis Handle



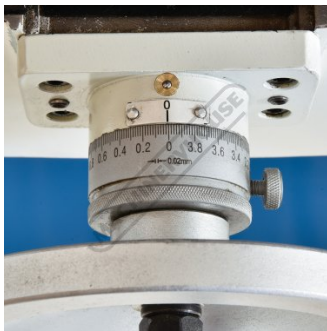
Z Axis Dial



X Axis Dial



X Axis On Power Feed



Y Axis Dial



Coolant Pump



Included Accessories

Recommended Accessories

V106
Vertex K-Type Milling Vice

C0965
Clamp Kit 58 piece - Workshop Series

C9245
Collet & Chuck Set - 8 Piece

C928
Collet & Chuck Set - 20 Piece



Product Brochure For M579

M3301
Metric HSS Slot Drill & End Mill Set - 10 Piece



M3321
Imperial HSS Slot Drill & End Mill Set - 10 Piece



M530
Universal Milling Kit - 4 Piece



M540
Face Mill Arbor



R004
Vertex Super Indexing Head



R006
Vertex Rotary Table



M184
Precision Boring Head



M197
Boring Head Shank



M182
Precision Boring Head Kit



M183
Precision Boring Head Kit



M193
Boring Head Shank



M250
Parallel Set - 8 Piece



Product Brochure For M579

M252
Parallel Set - 18 Piece



M243
Angle Plate - Precision Ground



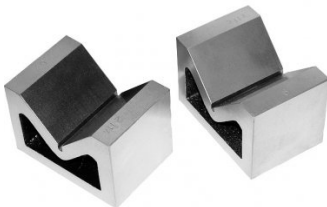
M242
Angle Plate - Precision Ground



V010
Alloy Steel Vee Block



V006
Cast Iron Vee Block



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



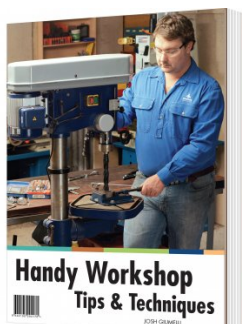
S076
Cutting Tool Lubricant Fluid - 500ml



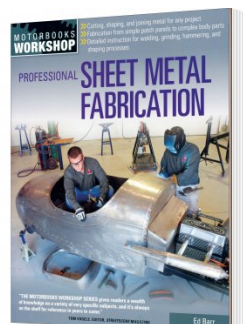
S074
Cutting Tool Lubricant Paste - 500g



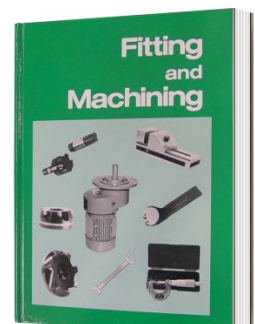
L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book



L341
Fitting and Machining Technical Book



Product Brochure For M579

L300
Magnetic Swarf Remover



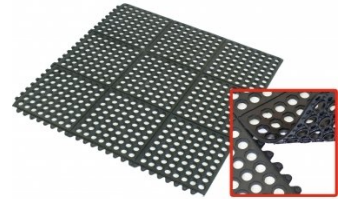
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive -
Penetrant & Lubrication



O042
General Purpose Lubricant &
Corrosion Inhibitor



O044
Rust & Corrosion Preventive -
Penetrant & Lubrication

