Auckland: (09) 2717 234
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Product Brochure For M579

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

Table Travel: (X) - 600mm (Y) - 200mm (Z) - 340mm
Includes Digital Readout System & Swivel Table

Ex GST	Inc GST
$8,800.00	$10,120.00



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):	±45º
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):	~
Power Feed - Vertical (Z-Axis) (mm/min):	~
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
1" & 1-1/4" horizontal arbors

Features

- Electronic inverter variable spindle speeds

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- 3 Axis digital readout system
- Swivel table left & right with graduated scale
- Mill head tilts to ±45º 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



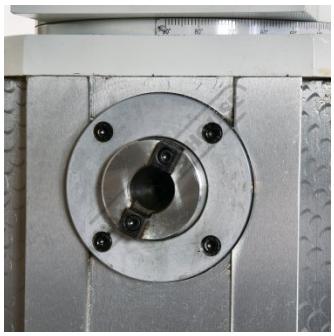
Control Panel With Digital Speed Readout


Vertical Varible Speed Motor



Vertical Spindle With Quill Lock


Safety Cutter Guard


Horizontal Spindle

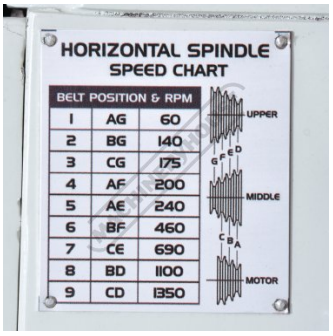
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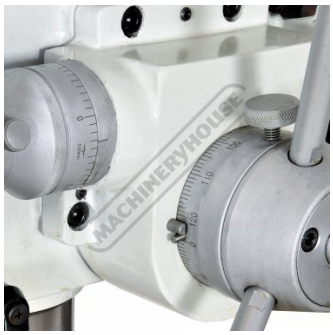

Horizontal Spindle Support


Horizontal Spindle Control Panel



Horizontal Spindle Speed Chart


Quill Feed-Fine Feed Handles


Fine Feed Qill Dials-Handle Dials

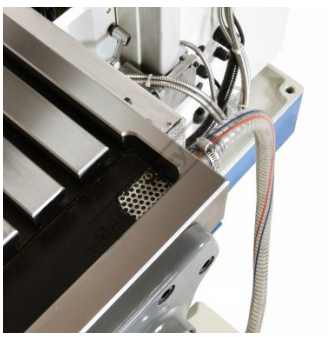


High Low Speed Gear Selector


Concentina Slideway Cover


Tilt Head- 45 Degree


Rotating Adjustable Sliding Ram


Work Table Coolant Return


Worklight And Coolant Hose

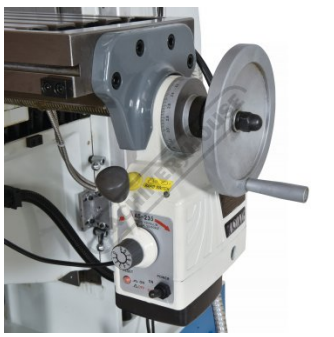
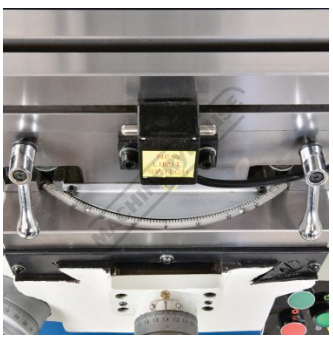

X Axis Power Feed With Rapid



Table Feed Limit Switch


Adjustable Table Stops


Swivel Table Scale


Hardened Ground Work Table

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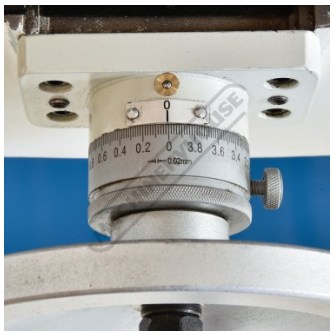
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Z Axis Handle


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









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



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



M530
Universal Milling Kit - 3 Piece with INSERTS



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



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M252
Parallel Set - 18 Piece



M243
Angle Plate - Precision Ground



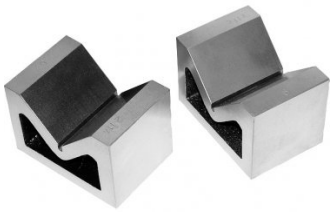
M242
Angle Plate - Precision Ground



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



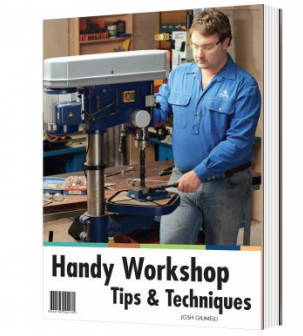
S077
Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



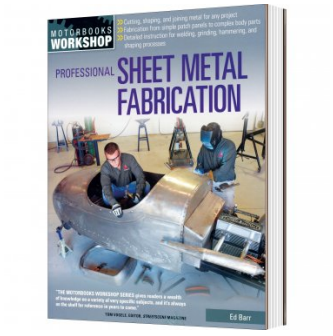
S074
Cutting Tool Lubricant Paste - 500g



L345
Handy Workshop Tips & Techniques - 1st Edition



L3455
Professional Sheet Metal Fabrication Book

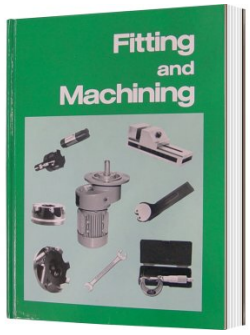


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L341
Fitting and Machining Technical Book



L300
Magnetic Swarf Remover



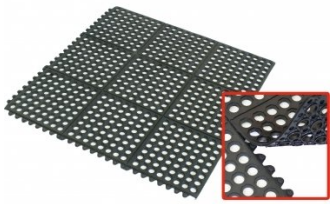
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

