

Product Brochure For K8744

HM-52G Geared Head Turret Milling Machine - Includes Tooling Package - QLD Schools / TAFE

(X) 600mm (Y) 220mm (Z) 340mm

QLD Contract Item No. 16.3



ORDER CODE:	K8744
NSW DOE Item No.:	~
QLD DOE Item No.:	16.3
MODEL:	Schools / TAFE HM-52G
Digital Readout:	Optional
Drilling Capacity (mm):	38
End Milling Capacity (mm):	32
Face Milling Capacity (mm):	80
Spindle Taper:	NT30
Quill Travel / Diameter (mm):	125 / 90
Spindle to Table (mm):	375
Type of Slides:	Dovetail
Spindle to Column (mm):	640
Table Size (mm):	1000 x 240
T-Slot (mm):	14
Longitudinal Travel (X-Axis) (mm):	600
Cross Travel (Y-Axis) (mm):	220
Vertical Travel (Z-Axis) (mm):	340
Work Table Load Capacity (kg):	175
Swivel Head (Left - Right):	±90°
Quill Feed Rate/Rev (mm/rev):	Manual
Spindle Speeds (Vertical) (No. / rpm):	8 (115-1750rpm)
Spindle Speeds (Horizontal) (No. / rpm):	9 (60-1350rpm)
Motor Power (Vertical) (kW / hp):	1.5 / 2
Motor Power (Horizontal) (kW / hp):	1.5 / 2
Motor Voltage (V / amp):	415
Nett Weight (kg):	1050

Description

We for many years have been working in close consultation with the education departments to ensure the most suitable equipment is provided to our schools and TAFE, not only does it comply with the departments stringent safety requirements but is built to last the distance. That's why we consider our company to be a specialist when it comes to supplying quality Wood Work and Metal Working Machinery for Public or Private Schools, TAFE Colleges and Trade Training Centres in all states of Australia.

A well-built entry level geared head, turret milling, vertical and horizontal, drilling machine with a powerful continuous-load 1.5 kw motor, intended for trade use. The work table is precision made with adjustable dovetail guides and is recognised for its 600mm X axis by 220mm 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 taper roller bearing support for the spindle, easy-to-read drilling depth stop, low voltage work light, 6 piece metric collet chuck set, coolant system, 150mm machine vice, drill chuck, 2 & 3 morse taper adapters. The combination of generous sized vertical support and rugged cast iron construction throughout reduces vibration and guarantees accurate and chatter-free operation.

Features

- Swivel table & two arbors for the Horizontal spindle
- Geared head for vertical spindle speeds
- Tilting head ±90° left to right.
- 340mm 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

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- All slides utilise dovetail construction for maximum rigidity
- * 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

- Swarf Tray
- Coolant system
- Halogen lamp
- 2 & 3MT adaptors
- 150mm Machine Vice (V106)
- 75mm Face Mill Cutter (M512)
- NT30 x 27mm Face Mill Arbor (M542)
- Pkt of 10 Milling Inserts (L066)
- NT30 x 6 Piece Collet Chuck Set (C9245)
- 6-20mm Metric End Mill & Slot Drill Set (M330)
- 10mm T Slot Cutter (M3280)
- 12mm T Slot Cutter (M3281)
- 14mm Clamp Kit (C096)
- 16mm Keyless Drill Chuck (C294)
- NT30 Drill Chuck Arbor (D451)
- 128mm- BS-1 Dividing Head (D002)
- 150mm 3 Jaw Lathe Chuck (C203)

Specific Features



Geared Head Spindle Speed Selectors



Horizontal Spindle



Spindle Speed Chart



Tilting Head Scale



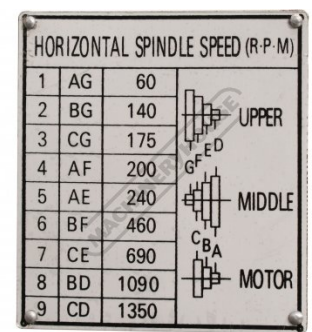
Adjustable Swivel and Sliding Ram



Concertina Slide Way Cover



Swivel Table and Feed Limit Switches



Horizontal Speed Spindle Chart

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Vertical Spindle Switch



Knee Feed Handle



Horizontal Spindle Support



Halogen Light



Horizontal Spindle Switch



Coolant Pump



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

Recommended Accessories

M229

Power Feed Unit



V106

Vertex K-Type Milling Vice



C0965

Clamp Kit 58 piece - Workshop Series



M540

Face Mill Arbor



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M530

Universal Milling Kit - 4 Piece



M333

Metric HSS Slot Drill & End Mill Set - 12 Piece



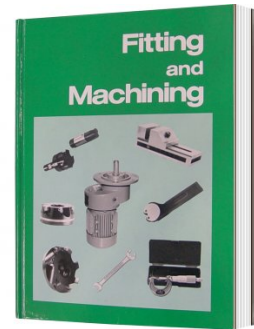
M335

Imperial HSS Slot Drill & End Mill Set - 12 Piece



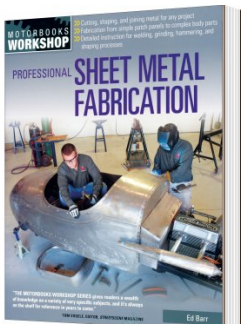
L341

Fitting and Machining Technical Book



L3455

Professional Sheet Metal Fabrication Book



R004

Vertex Super Indexing Head



R006

Vertex Rotary Table



M242

Angle Plate - Precision Ground



M243

Angle Plate - Precision Ground



M182

Precision Boring Head Kit



M183

Precision Boring Head Kit



M184

Precision Boring Head



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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



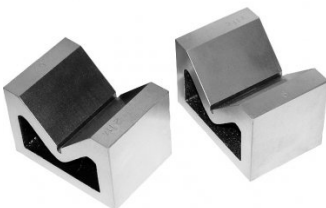
V003

Cast Iron Vee Block



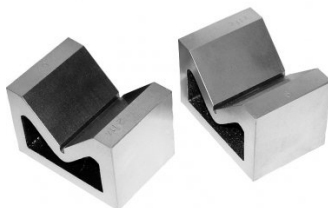
V004

Cast Iron Vee Block



V006

Cast Iron Vee Block



M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



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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



O044

Rust & Corrosion Preventive

