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Product Brochure For K8741

HM-46B Mill Drill Machine - Includes Tooling Package - QLD Schools / TAFE

(X) 485mm (Y)175mm (Z) 430mm

QLD Contract Item No. 12.1



Please Call

ORDER CODE:	K8741
NSW DOE Item No.:	~
QLD DOE Item No.:	12.1
MODEL:	Schools / TAFE HM-46B
Digital Readout:	Optional
Drilling Capacity (mm):	31.5
End Milling Capacity (mm):	28
Face Milling Capacity (mm):	80
Spindle Taper:	3MT
Quill Travel / Diameter (mm):	120 / 75
Spindle to Table (mm):	485
Type of Slides:	Dovetail
Spindle to Column (mm):	265
Table Size (mm):	730 x 210
T-Slot (mm):	14
Longitudinal Travel (X-Axis) (mm):	485
Cross Travel (Y-Axis) (mm):	175
Vertical Travel (Z-Axis) (mm):	430
Work Table Load Capacity (kg):	55
Swivel Head (Left - Right):	±90º
Quill Feed Rate/Rev (mm/rev):	Manual
Spindle Speeds (Vertical) (No. / rpm):	6 (95-1650rpm)
Spindle Speeds (Horizontal) (No. / rpm):	~
Motor Power (Vertical) (kW / hp):	1.5 / 2
Motor Power (Horizontal) (kW / hp):	~
Motor Voltage (V / amp):	240 / 10
Nett Weight (kg):	380

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.

The HM-46 milling machines is similar in overall size to the popular RF-31 or HM-32 but with the additional benefit of a 6-speed 95-1650rpm, gear driven head which can be tilted up to 90º either side of the vertical. This feature allows the head to be positioned in a variety of positions, allowing a whole range of milling, slotting, grooving, drilling and boring operations to be carried out.

The usual handle-driven down feed is available for precision drilling and there is a fine manual down-feed control for precise vertical milling.

The motor is controlled by a standard forward and reverse on/off switch.

Also available is a optional power feed attachment which fits to the left hand end of the table and provides a smooth, variable speed longitudinal drive.

Features

- Gear driven head 6 speeds
- Dovetail vertical Z-axis
- Mill head tilts to ±90º from vertical with digital display
- Large 730 x 210mm ground work table with T-slots
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed hand wheel operating quill feed
- Forward and reverse on/off button switches
- Digital tilting head gauge
- 3MT spindle with 75mm diameter quill
- Adjustable table and drill length stops
- Rack and pinion wind-up head
- Rear slide-way cover and slide clamps on all axis

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- Spindle lock for quill
- Table lock on both axis
- Metric dial graduations @ 0.05mm for X & Y axis

Includes

- 125mm Machine Vice (V105)
- 75mm Face Mill Cutter (M512)
- MT3 x 27mm Face Mill Arbor (M563)
- Pkt of 10 Milling Inserts (L066)
- MT3 x 6 Piece Collet Chuck Set (C922B)
- 14mm Clamp Kit (C0965)
- 230mm 3 Jaw chuck (C280)
- 13mm Keyless Drill Chuck (C292)
- MT3 Drill Chuck Arbor (D443)
- 100mm- BS-0 Dividing Head (D001)
- 6-20mm Metric End Mill & Slot Drill Set (M3301)
- Digital tilting head gauge
- Drill chuck & arbor
- Face cutter & arbor
- Safety cutter guard
- M12 draw bar
- 1/2" x 12tpi whitworth draw bar

Specific Features


Front View


Tilting Head Left


Tilting Head Right


Quill Feed


Fine Quill Feed Handwheel



Head Controls



Forward Reverse ON OFF-Emergency Switches


Drill Chuck

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Rack And Pinion Wind Up Head



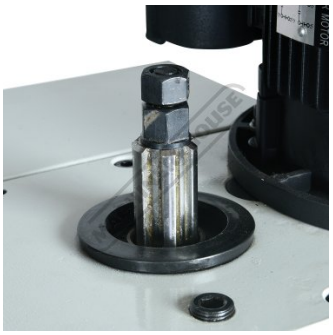
Quill Depth Stop Scale-Spindle Lock


Tilting Head


Digital Tilting Head Gauged

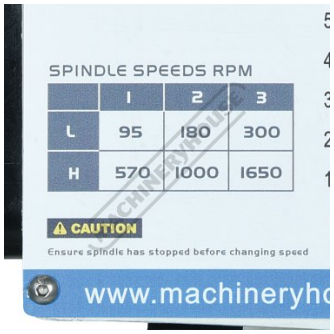

Table Cross Feed Handle


Table Longitudinal Handle


Drawbar



Motor-Drawbar

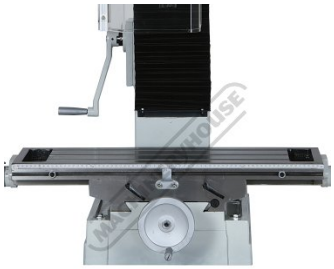


Spindle Speed Chart



Spindle Speed Selectors


Swivel Safety Guard


Ground Work Table with T Slots


Right View


Left View


Left Side View


Right Side View



Included Accessories

Recommended Accessories

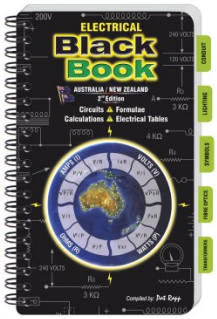
M230
Power Feed Unit



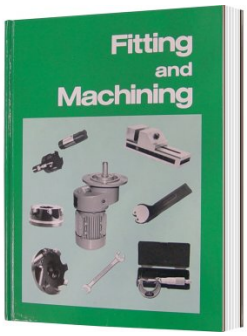
M240
Transformer



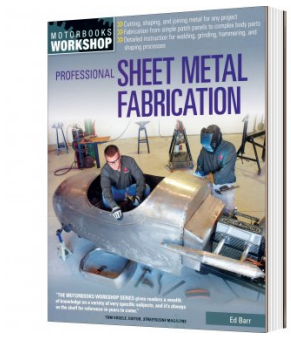
L342
Electrical Black Book



L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



C926
Collet & Chuck Set - 20 Piece



C0965
Clamp Kit 58 piece - Workshop Series



C922B
Collet & Chuck Set - 8 Piece



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Product Brochure For K8741

M333
Metric HSS Slot Drill & End Mill Set - 12 Piece



M335
Imperial HSS Slot Drill & End Mill Set - 12 Piece



M3280
13mm HSS End Mill Long Series



M182
Precision Boring Head Kit



M192
Boring Head Shank



M180
Boring Bar Set - 9 piece



M250
Parallel Set - 8 Piece



M530
Universal Milling Kit - 3 Piece with INSERTS



M562
Face Mill Arbor



M515
Face Mill 45º - Super High-Rake



L065
KYOCERA Carbide Inserts - Milling



M528
Face Mill 90º - Positive Rake



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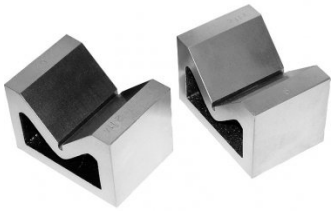
M529
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



V105
Vertex K-Type Milling Vice



R006
Vertex Rotary Table



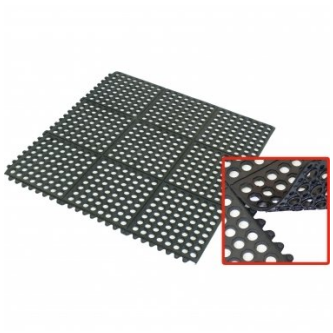
P235
Coolant Pump & Tank



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



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Product Brochure For K8741

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

