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Product Brochure For K8740

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

(X) 475mm (Y) 195mm (Z) 450mm

QLD Contract Item No. 16.1



ORDER CODE:	K8740
NSW DOE Item No.:	~
QLD DOE Item No.:	16.1
MODEL:	Schools / TAFE HM-46
Digital Readout:	Optional
Drilling Capacity (mm):	31.5
End Milling Capacity (mm):	28
Face Milling Capacity (mm):	76
Spindle Taper:	3MT
Quill Travel / Diameter (mm):	120 / 75
Spindle to Table (mm):	510
Type of Slides:	Dovetail
Spindle to Column (mm):	265
Table Size (mm):	730 x 210
T-Slot (mm):	14
Longitudinal Travel (X-Axis) (mm):	475
Cross Travel (Y-Axis) (mm):	210
Vertical Travel (Z-Axis) (mm):	450
Work Table Load Capacity (kg):	60
Swivel Head (Left - Right):	±90º
Quill Feed Rate/Rev (mm/rev):	Manual
Spindle Speeds (Vertical) (No. / rpm):	6 (95-1600rpm)
Spindle Speeds (Horizontal) (No. / rpm):	~
Motor Power (Vertical) (kW / hp):	1.1 / 1.46
Motor Power (Horizontal) (kW / hp):	~
Motor Voltage (V / amp):	415
Nett Weight (kg):	350

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 95-1600rpm, 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.

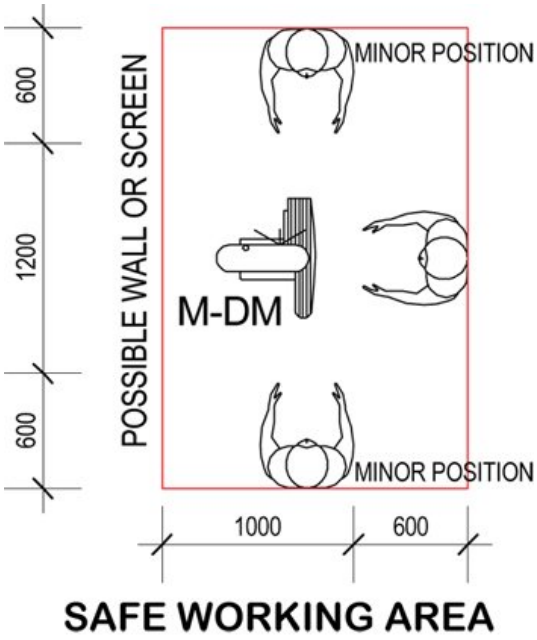
Features

- Gear driven head 6 speeds
- Dovetail vertical Z-axis
- Tilting head to ±90º from vertical
- Large 730mm x 210mm ground work table with T-slots
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed handwheel operating quill feed
- Forward and reverse on/off switch
- 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
- Spindle lock for quill
- Table lock on both Axis
- Metric dial graduations @ 0.05mm for X & Y axis

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Includes

- Machine stand
- Digital tilting head gauge
- Halogen light
- Safety cutter guard
- 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)
- 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)
- MT3 Drill Chuck Arbor (D443A)
- 100mm- BS-0 Dividing Head (D001)
- 125mm 3 Jaw Lathe Chuck (C202)



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Specific Features


Forward and Reverse On Off Switch

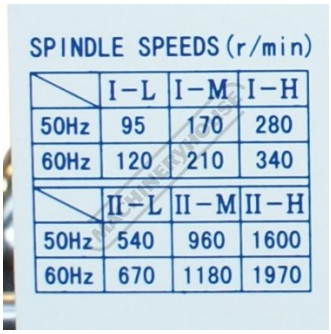


Spindle Speed Selectors


Spindle lock for quill


Quill Depth Scale


Fine Feed Handwheel Operating Quill Feed



Speed Chart


Face Mill Cutter


Rack and Pinion Wind Up Head


Large 730mm x 210mm ground work table with T Slots


Drawbar


Tilting head


Head Controls


Dovetailed Vertical Z Axis


Table Cross Feed Handle


Table Longitudinal Handle


Includes These Accessories

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Tilt Head Front View


Head Shown in Vertical Position


Left View


Shown mounted to Optional Stand

Recommended Accessories

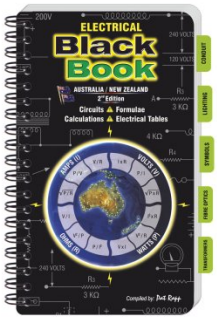
M230
Power Feed Unit



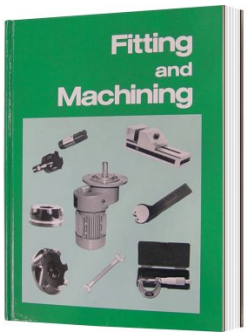
M240
Transformer



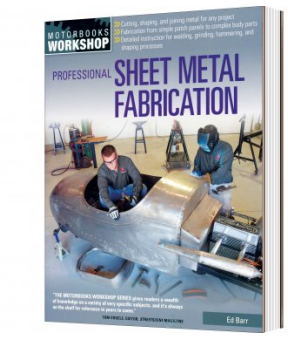
L342
Electrical Black Book



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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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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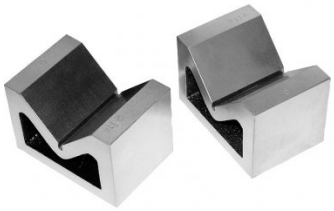
M529
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



V105
Vertex K-Type Milling Vice



R006
Vertex Rotary Table



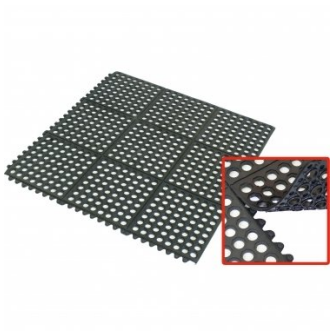
P235
Coolant Pump & Tank



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 K8740

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

