Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For K8742

HM-48 Mill Drill Machine - Includes Tooling Package - QLD Schools / TAFE

(X) 540mm (Y) 185mm (Z) 410mm
QLD Contract Item No. 16.2



ORDER CODE:	K8742
NSW DOE Item No.:	~
QLD DOE Item No.:	16.2
MODEL:	Schools / TAFE HM-48
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):	~
Type of Slides:	Dovetail
Spindle to Column (mm):	273
Table Size (mm):	820 x 240
T-Slot (mm):	14
Longitudinal Travel (X-Axis) (mm):	540
Cross Travel (Y-Axis) (mm):	185
Vertical Travel (Z-Axis) (mm):	410
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):	1.5 / 2
Motor Power (Horizontal) (kW / hp):	~
Motor Voltage (V / amp):	240
Nett Weight (kg):	430

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-48 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.

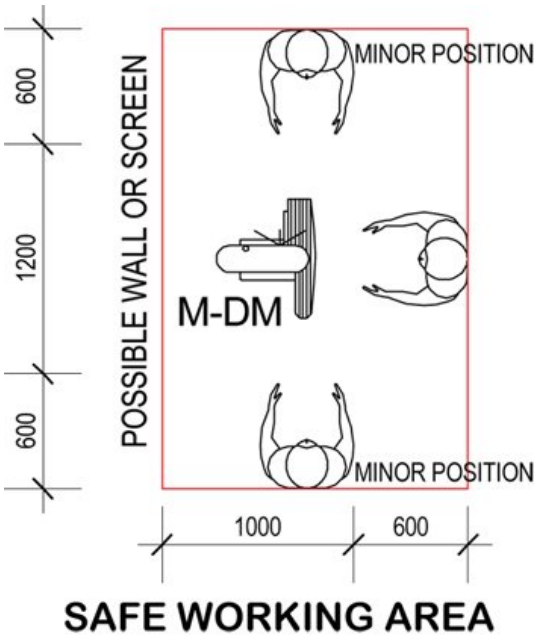
Features

- Gear driven head with 6 speeds
- Dovetail vertical Z-Axis
- Pendant control with swivel arm
- Tilting head to ±90º from vertical with digital display
- Large 820 x 240mm ground work table with T-slots
- Adjustable leadscrew nuts eliminating backlash on both axis
- Fine feed hand wheel operating quill feed
- Digital depth display with zero reset for quill
- Digital tilting head gauge
- Longitudinal X-Axis power feed
- Motorised head for Z-Axis travel
- Forward and reverse on/off switch
- 3MT spindle with 75mm diameter lockable quill
- Adjustable table and drill length stops
- Metric dial graduations @ 0.05mm for X & Y-Axis
- Rear slide-way cover and slide clamps on all axis
- Table lock on both axis
  Heavy duty cast iron stand with coolant tray

- Includes coolant system, swarf tray & work light

Includes

- Cast iron stand
- Coolant system
- X-Axis power feed unit
- Motorised vertical head motor
- 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)



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Specific Features


Left View


Tilting Head



Control Panel


Digital Tilting Head Gauge



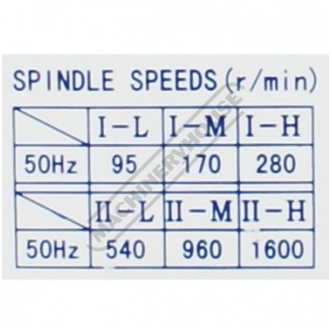
Milling Head and Quill Handle



Digital Quill Depth Stop



Spindle Speed Controls



Speed Chart


Power Feed X Axis


Vertical Power Feed Motor


Manual Vertical Fine Feed Handle


Table Limit Switch


Motorised Head Safety Lock


Aluminum Motor


Swivel Head Adjustment


Dovetail Slide

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For K8742



Quill Depth Stop Gauge


Height Micro Limit Switch


Dial Graduations


Keyed Drill Chuck


Halogen Light


Flexible Coolant Hose



On Off Switch


Drawbar

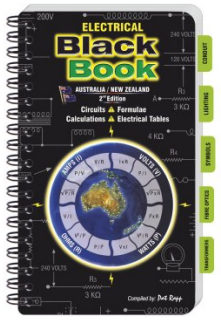

Includes these Accessories

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

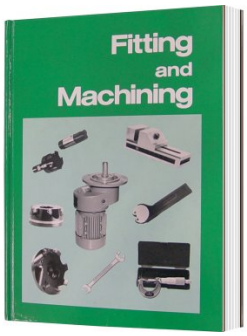
Product Brochure For K8742

Recommended Accessories

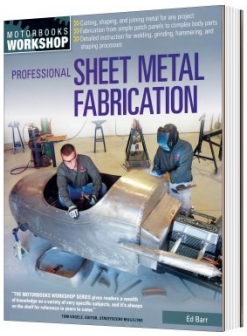
L342
Electrical Black Book



L341
Fitting and Machining Technical Book



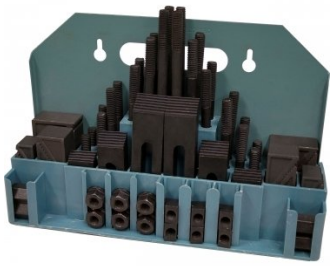
L3455
Professional Sheet Metal Fabrication Book



C926
Collet & Chuck Set - 20 Piece



C0965
Clamp Kit 58 piece - Workshop Series



C922B
Collet & Chuck Set - 8 Piece



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



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



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For K8742

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



M529
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For K8742

V004
Cast Iron Vee Block



V105
Vertex K-Type Milling Vice



R006
Vertex Rotary Table



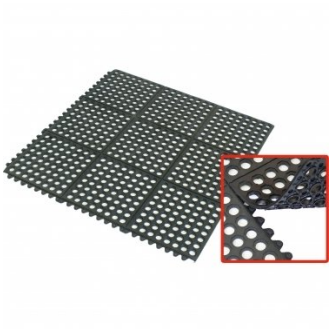
P235
Coolant Pump & Tank



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



S075
Cutting Tool Lubricant Paste - 200g



S074
Cutting Tool Lubricant Paste - 500g



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For K8742

O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

