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Product Brochure For M140D

Mill Drill - Geared & Tilting Head with Digital Readout System - HM-47B

Table Travel: (X) - 540mm (Y) - 205mm (Z) - 385mm
Includes Digital Readout System, Dovetail Column & Stand

Ex GST	Inc GST
$4,868.00	$5,598.20



ORDER CODE:	M140D
MODEL:	HM-47B
Digital Readout:	3-Axis Counter, X, Y Scales
Type:	Vertical
Table Size (mm):	800 x 240
Column Type:	Dovetail
Spindle Taper - Vertical:	3MT
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	540*
Cross Travel (Y-Axis) (mm):	205*
Vertical Travel (Z-Axis) (mm):	385
Type of Slides:	Dovetail
Ram Travel (mm):	~
Spindle to Table (mm):	485
Spindle to Base:	~
Spindle Travel / Diameter (mm):	120 / 75
Throat Depth (max.) (mm):	265
Tilting Head (Left ~ Right):	±90º
Tilting Head (Forward ~ Back):	Fixed
Drilling Capacity (mm):	31.5
End Milling Capacity (mm):	28
Face Milling Capacity (mm):	80
Power Feed - Quill (mm/rev):	~
Power Feed - Longitudinal (X-Axis) (mm/min):	Optional
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):	55
Spindle Speeds Vertical (No./ rpm):	6 (95 - 1650)
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	1.5 / 2
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	430

Description

This NEW HM-47B milling machines is somewhat like the HM-46B model, but with the additional benefit of a larger machine worktable with more travels, a tapping function switch to allow you to control the required depth when tapping holes, a coolant pump system with flexible hose & nozzle, a LED work light on a flexible arm to adjust the light beam as needed and a very sturdy fabricated stand with an access panel.

The HM-47B also has a 3-Axis digital readout counter fitted with 2-Axis X & Y scales for accurate table positioning with ease, 6-speeds 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 on different angles. The milling head is also mounted to a vertical dovetail slide system that allows the head to maintain on the exact same centre position when raising or lowering.

The quill movement is also coupled to a digital depth counter mounted on the face of the machine for convenience and allows you to achieve accurate drilling or milling depths. Tilting the head can be also measured accurately via the digital head gauge mounted on the right side of the mill head.

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

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Features

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- Large 800 x 240mm ground work table with T-slots
- Powerful 2HP-240V gear driven head
- 6 spindle speeds ranging from 95-1650rpm
- 3MT spindle with 75mm diameter lockable quill
- Drilling/Milling & Tapping Functions
- Mill head tilts to ±90º from vertical with digital display
- Dovetail vertical Z-Axis with rack and pinion wind-up head
- Adjustable leadscrew nuts eliminating backlash on both axis
- Adjustable table stops with table locks
- Fine down feed handwheel operating quill feed with adjustable stop
- Digital depth display with zero reset for quill (Includes LR44 battery)
- Digital display bevel box to set head tilting (Includes AAA battery)
- Forward and reverse on/off switch
- Metric dial graduations @ 0.05mm for X & Y-Axis
- Rear slide-way cover and slide clamps on all axis
- Fixed control panel
- Coolant system with flexible hose
- Heavy duty fabricated stand with coolant & swarf tray
- LED work light

- * Note: X & Y travels maybe reduced due to digital readout scales and safety stops

Includes

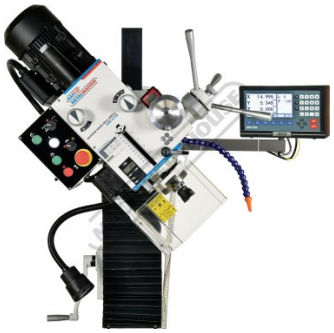
- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- Heavy duty fabricated stand with coolant & swarf collection tray
- Coolant system
- LED work light
- Digital depth display
- Digital tilting head gauge
- Drill chuck & arbor
- Drill sleeve – 3MT – 2MT
- Face cutter & arbor
- Interlocked spindle safety guard
- 1/2" x 12TPI drawbar
- M12 x 1.75mm drawbar

Optional Accessories

- Z-Axis scale 470mm travel - (D5220)

Specific Features


Swivel Head-45 Degrees Left or Right


45 Degrees To Right


Mill Head Close Up


Front View

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Left View



Digital Readout System



Spindle Speed Controls


Control Panel



Quill Depth Stop Guage



Digital Readout on Quill Depth


Quill Feed Handle


Fine Quill Feed Hand Wheel


Tilting Head Scale


Milling Cutter


Interlocked Spindle Safety Guard


Large Ground Work Table with T Slots


Table Limit Switches


Table Feed Hand Wheel


Rack and Pinion Wind Up Head



2HP 240V Motor

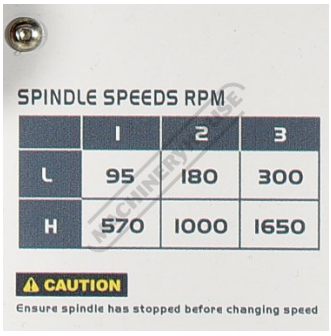
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Main Switch



Speed Chart

Recommended Accessories

C0965
Clamp Kit 58 piece - Workshop Series



K150
Mill-Drill Accessory Package Deal - Imperial Cutters



K151
Mill-Drill Accessory Package Deal - Metric Cutters



C922B
Collet & Chuck Set - 8 Piece



C926
Collet & Chuck Set - 20 Piece



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



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



M3280
13mm HSS End Mill Long Series



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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



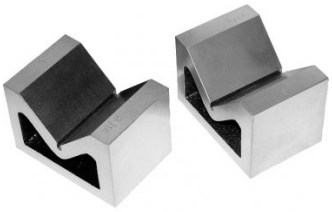
M529
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



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V105
Vertex K-Type Milling Vice



R006
Vertex Rotary Table



M230
Power Feed Unit



M240
Transformer



P235
Coolant Pump & Tank



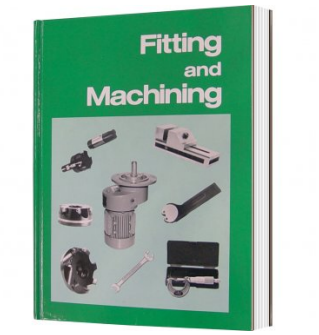
S090A
Soluble Metal Cutting Fluid - 1 Litre



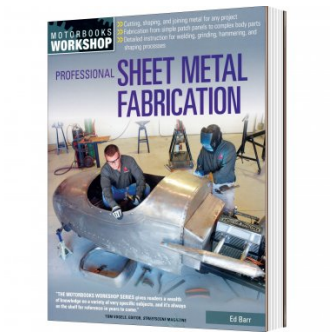
S090
Soluble Metal Cutting Fluid - 5 Litre



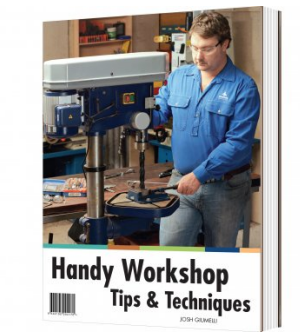
L341
Fitting and Machining Technical Book



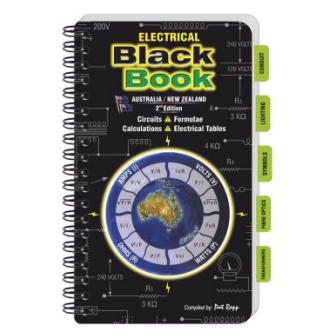
L3455
Professional Sheet Metal Fabrication Book



L345
Handy Workshop Tips & Techniques - 1st Edition



L342
Electrical Black Book



L300
Magnetic Swarf Remover



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Product Brochure For M140D

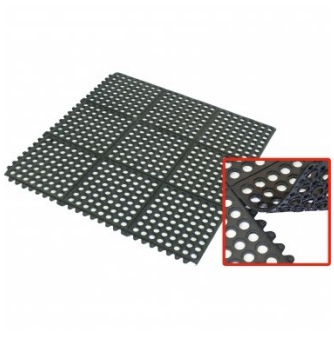
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

