

Product Brochure For M125D

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

Table Travel: (X) - 540mm (Y) - 185mm (Z) - 410mm

Includes Digital Readout System, Dovetail Column & Stand



ORDER CODE:	M125D
MODEL:	HM-47
Digital Readout:	3-Axis Counter, X, Y Scales
Type:	Vertical
Table Size (mm):	820 x 240
Column Type:	Dovetail
Spindle Taper - Vertical:	3MT
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	540*
Cross Travel (Y-Axis) (mm):	185*
Vertical Travel (Z-Axis) (mm):	410
Type of Slides:	Dovetail
Ram Travel (mm):	~
Spindle to Table (mm):	490
Spindle to Base:	~
Spindle Travel / Diameter (mm):	120 / 75
Throat Depth (max.) (mm):	273
Tilting Head (Left ~ Right):	±90°
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):	~
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 - 1600)
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):	407

Features

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
 - Gear driven head with 6 speeds
 - Dovetail vertical Z-Axis
 - Mill head tilts to ±90° 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 (Includes LR44 battery)
 - Digital tilting head gauge
 - 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
 - Fixed control panel
 - Heavy duty fabricated stand with coolant tray
- Includes Stand, coolant system, swarf tray, drill chuck & arbor, face mill cutter & arbor & work light

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- * 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
- Coolant system
- Halogen light
- Digital depth display
- Digital tilting head gauge
- Drill chuck & arbor
- Face cutter & arbor
- Safety cutter guard
- Machine stand
- 1/2" x 12TPI drawbar

Specific Features



Left View



Front View



Rear View



Left View Close Up



Right Side Close Up



Front View Close Up



Right Side View Close Up



Left Side View Close Up



Swivel Head 45 Degrees



Swivel Head 45 Degrees Front View



3-Axis digital readout counter fitted with 2-Axis X & Y scales only



Control Panel

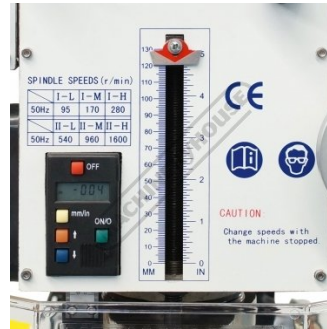
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Swivel Head Scale



Swivel Head Digital Angle Scale



Quick Depth Stop Gauge



Digital Readout On Quill Depth

SPINDLE SPEEDS (r/min)

	I-L	I-M	I-H
50Hz	95	170	280
	II-L	II-M	II-H
50Hz	540	960	1600

Spindle Speeds Chart



Quill Handle



Manual Vertical Height Adjustment Handle



Flexible Coolant Hose



Fine Feed Handle

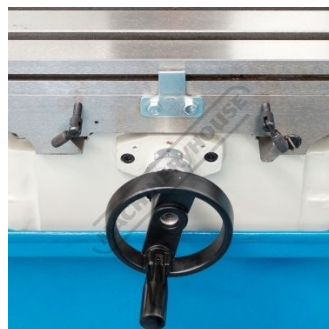


Table Stops



Table Feed Hand Wheel



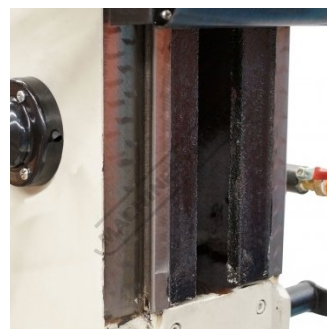
Work Table



DRO Scales



Vertical Axis Locks



Vertical Axis Dovetail Slide



Slide Covers

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Drawbar



Drawbar Cover



Includes Milling Cutter



Work Light



Safety Cutter Guard



Coolant System



Coolant Return Drain Hose



Includes Drill Chuck & Arbor, Milling Cutter, Digital Angle Gauge & Tools

Recommended Accessories

M230
 Power Feed Unit

M240
 Transformer

C0965
 Clamp Kit 58 piece - Workshop Series

K150
 Mill-Drill Accessory Package Deal - Imperial Cutters



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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



M182
 Precision Boring Head Kit



M192
 Boring Head Shank



M180
 Boring Bar Set - 9 piece



M250
 Parallel Set - 8 Piece



M530
 Universal Milling Kit - 4 Piece



M562
 Face Mill Arbor



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M515
 Face Mill 45° - Super High-Rake



L065
 KYOCERA Carbide Inserts - Milling



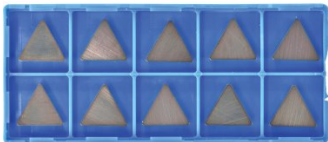
M528
 Face Mill 90° - Positive Rake



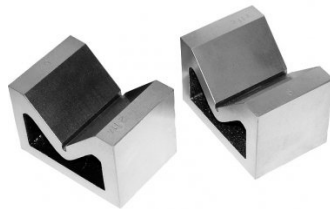
M529
 Face Mill 90° - Positive Rake



L066
 KYOCERA Carbide Inserts - Milling



V004
 Cast Iron Vee Block



V105
 Vertex K-Type Milling Vice



R006
 Vertex Rotary Table



P235
 Coolant Pump & Tank



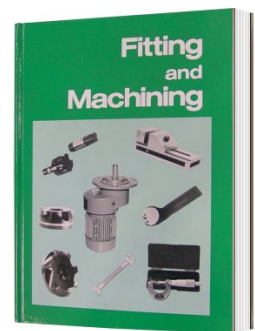
S090A
 Soluble Metal Cutting Fluid - 1 Litre



S090
 Soluble Metal Cutting Fluid - 5 Litre

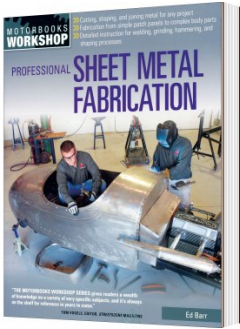


L341
 Fitting and Machining Technical Book

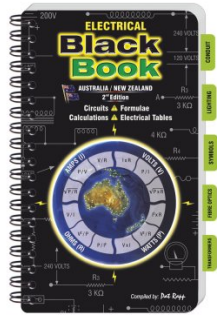


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L3455
 Professional Sheet Metal
 Fabrication Book



L342
 Electrical Black Book



L300
 Magnetic Swarf Remover



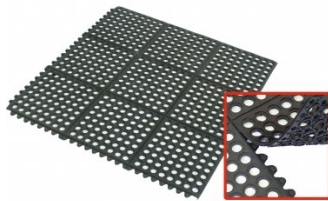
M9991
 Magnetic Floor Sweeper



M800
 Rubber Mat - Anti-Fatigue



M805
 Rubber Mat - Anti-Fatigue



O000
 SpillFix Universal Organic
 Absorbent



O043
 Rust & Corrosion Preventive



O042
 General Purpose Lubricant &
 Corrosion Inhibitor



O040
 Rust & Corrosion Preventive



O044
 Rust & Corrosion Preventive

