

## 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

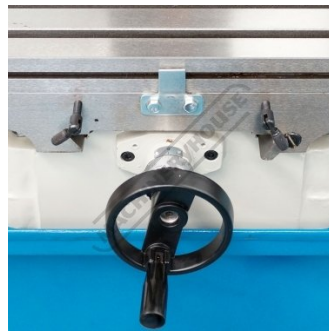


Table Stops



Table Feed Hand Wheel



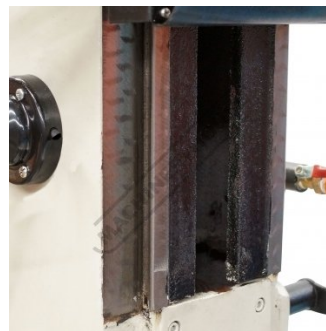
Work Table



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



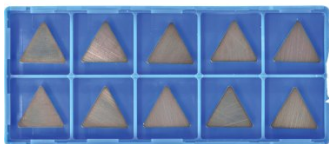
**M528**  
Face Mill 90° - Positive Rake



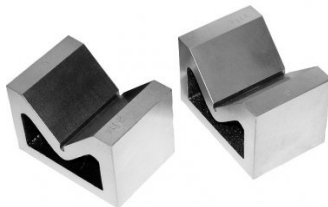
**M529**  
Face Mill 90° - Positive Rake



**L066**  
KYOCERA Carbide Inserts - Milling



**V004**  
Cast Iron Vee Block



**V105**  
Vertex K-Type Milling Vice



**R006**  
Vertex Rotary Table



**P235**  
Coolant Pump & Tank



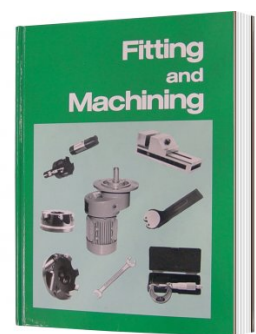
**S090A**  
Soluble Metal Cutting Fluid - 1 Litre



**S090**  
Soluble Metal Cutting Fluid - 5 Litre

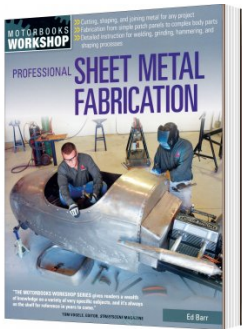


**L341**  
Fitting and Machining Technical Book

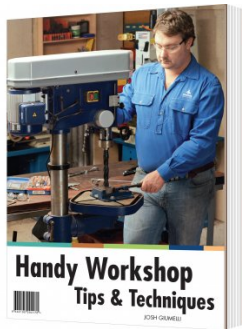


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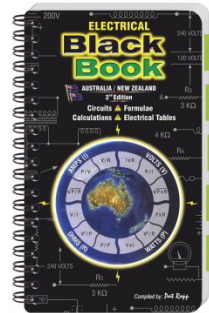
**L3455**  
Professional Sheet Metal Fabrication Book



**L345**  
Handy Workshop Tips & Techniques - 1st Edition



**L342**  
Electrical Black Book



**L300**  
Magnetic Swarf Remover



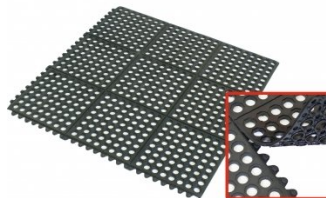
**M9991**  
Magnetic Floor Sweeper



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**O043**  
Rust & Corrosion Preventive



**O042**  
General Purpose Lubricant & Corrosion Inhibitor



**O044**  
Rust & Corrosion Preventive

