

OPTIMUM MH-28V

OPTIMUM®

Mill Drill - Geared & Tilting Head

Table Travel: (X) - 430mm (Y) - 220mm (Z) - 355mm



OPTIMUM Mill Drill - Geared & Tilting Head MH-28V



Front View



Left View



Variable Spindle Speed with DRO



Digital Readout for Quill Depth



Tilting Head Scale



Head Close Up - Right View



Front Head View



Shown On Optional Stand with Head Tilted



Shown On Optional Stand M653



Shown On Optional Stand Left View



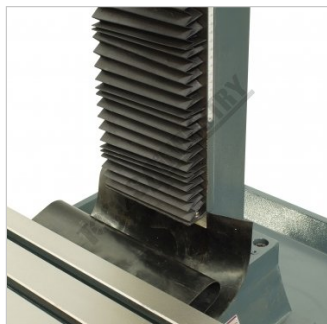
Fine Feed Quill Dial



Z-Axis Adjustment Handwheel



Z-Axis Scale



Concertina Slideway Cover



High & Low Gear Head



Longitudinal Handwheel

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Cross Feed Handwheel

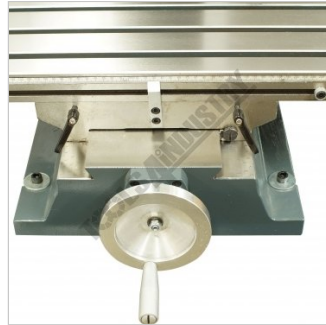


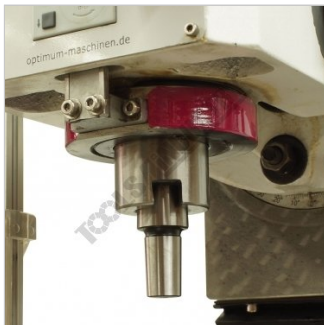
Table Limit Stops



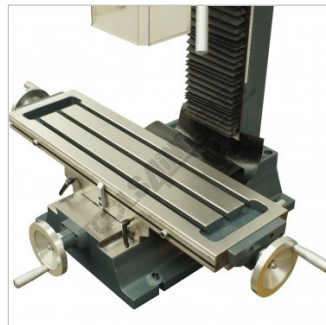
Safety Cutter Guard



Drawbar



3MT Spindle Taper



Table



Includes Drill Chuck Arbour & Tools



DRO Bracket Kit

Description

Excellent quality mill drill machine designed for the model engineer

Features

- Electronic infinitely variable speed
- 3MT spindle taper
- Dovetail vertical Z-Axis
- Digital readout speed display
- Digital depth display with zero reset for quill
- Tilting head to $\pm 90^\circ$ from vertical
- 2 speed gearbox (high / low) drive
- Forward and reverse spindle switch
- Adjustable dovetail slideways on all 3 axis
- 730 x 210mm cast iron table with T-slots
- Adjustable table and drill length stops
- Rear slideway covers and slide clamps on all axis
- Metric dial graduations on X & Y-Axis

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Includes

- 3MT x JT6 drill chuck arbor
- Safety cutter guard
- Bracket kit for optional digital readout
- 1/2" x 12tpi whitworth drawbar

Specifications

ORDER CODE	M652
MODEL	HM-28V
Digital Readout	Optional
Type	Vertical
Table Size (mm)	730 x 210
Column Type	Dovetail
Spindle Taper - Vertical	3MT
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	430
Cross Travel (Y-Axis) (mm)	220
Vertical Travel (Z-Axis) (mm)	355
Type of Slides	Dovetail
Ram Travel (mm)	~
Spindle to Table (mm)	465
Spindle to Base	~
Spindle Travel / Diameter (mm)	70 / ~
Throat Depth (max.) (mm)	210
Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity (mm)	20
End Milling Capacity (mm)	28
Face Milling Capacity (mm)	70
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)	Variable (100 - 2500)
Spindle Speeds Horizontal (No./ rpm)	~
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	1.1 / 1.5
Motor Power - Horizontal Spindle (kW / hp)	~
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	240