

OPTIMUM BF-20LV

OPTIMUM®

Opti-Mill Drill - Geared & Tilting Head

Table Travel: (X) - 480mm (Y) - 175mm (Z) - 280mm



OPTIMUM Opti-Mill Drill - Geared & Tilting Head BF-20LV



Low View



Left view



Head tilt



Safety Cutter Guard



Digital Read Out For Quill Depth



Control Panel With Variable Speed Dro Display



Quill Feed Adjustment



Milling Table



Quill Handle



High Low Geared Head Dial



Inbuilt Work Light



3MT Spindle Taper



Toolbox



Shown on Optional Stand M651

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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
- Work light mounted underneath mill head
- 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
- Scale collars for all Axis are adjustable
- Adjustable dovetail slideways on all 3 axis
- 700 x 180mm 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

Includes

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

Specifications

ORDER CODE	M650
MODEL	BF-20LV
Digital Readout	Optional
Type	Vertical
Table Size (mm)	700 x 180
Column Type	Dovetail
Spindle Taper - Vertical	3MT
Spindle Taper - Horizontal	~
Longitudinal Travel (X-Axis) (mm)	480
Cross Travel (Y-Axis) (mm)	175
Vertical Travel (Z-Axis) (mm)	280
Type of Slides	Dovetail
Ram Travel (mm)	~
Spindle to Table (mm)	350
Spindle to Base	~
Spindle Travel / Diameter (mm)	50 / 60
Throat Depth (max.) (mm)	185

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Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity (mm)	16
End Milling Capacity (mm)	20
Face Milling Capacity (mm)	63
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)	12
Work Table Load Capacity (kg)	40
Spindle Speeds Vertical (No./ rpm)	Variable (90 - 3000)
Spindle Speeds Horizontal (No./ rpm)	~
Spindle Speeds - Universal Head	~
Motor Power - Vertical Spindle (kW / hp)	0.85 / 1.13
Motor Power - Horizontal Spindle (kW / hp)	~
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	240 / 10
Nett Weight (kg)	162