

Product Brochure For M650

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

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

Electronic Variable Speeds & Dovetail Column

Ex GST
\$1,890.00

Inc GST
\$2,079.00



OPTIMUM



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
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

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 ± 90° 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

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- 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

Specific Features



Low View



Left view



Head tilt



Safety Cutter Guard



Digital Read Out For Quill Depth



Control Panel With Variable Speed Dro Display



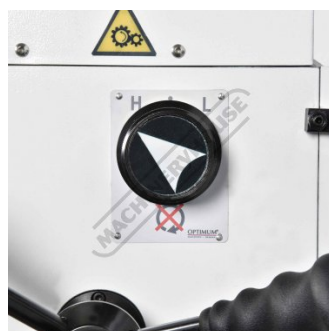
Quill Feed Adjustment



Milling Table



Quill Handle



High Low Geared Head Dial



Inbuilt Work Light



3MT Spindle Taper

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Toolbox



Shown on Optional Stand M651

Recommended Accessories

M651
Mill Drill Stand



D695
3-Axis Optimum Digital Readout Counter - 1µm



D694
1500mm Optimum Magnetic Digital Readout Scale



T773
Industrial Mobile Tooling Cabinet Workstation



C922B
Collet & Chuck Set - 8 Piece



C926
Collet & Chuck Set - 20 Piece



C0955
Clamp Kit 58 piece - Workshop Series



V104
Vertex K-Type Milling Vice



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



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



M3281
 14mm 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



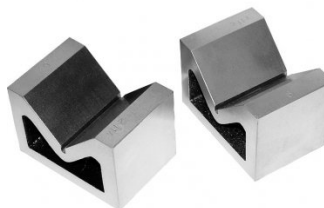
M528
 Face Mill 90° - Positive Rake



L066
 KYOCERA Carbide Inserts -
 Milling



V004
 Cast Iron Vee Block



R001
 Rotary Table



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R0014
 Tilting Rotary Table



P235
 Coolant Pump & Tank



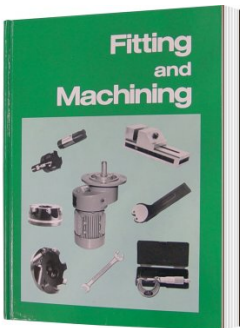
S090A
 Soluble Metal Cutting Fluid - 1 Litre



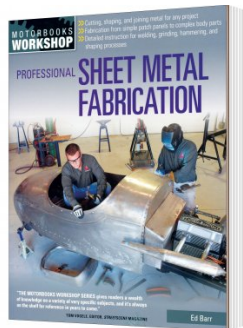
S090
 Soluble Metal Cutting Fluid - 5 Litre



L341
 Fitting and Machining Technical Book



L3455
 Professional Sheet Metal Fabrication Book



M9991
 Magnetic Floor Sweeper



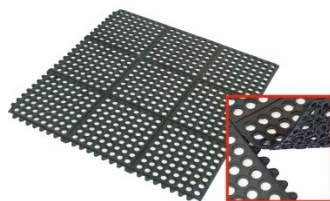
L300
 Magnetic Swarf Remover



M800
 Rubber Mat - Anti-Fatigue



M805
 Rubber Mat - Anti-Fatigue



O000
 SpillFix Universal Organic Absorbent



O043
 Rust & Corrosion Preventive



Product Brochure For M650

O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

