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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



On Sale

Ex GST	Inc GST
~~$1,890.00~~	~~$2,079.00~~
$1,790.00	$1,969.00

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):	±90º
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

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- 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

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



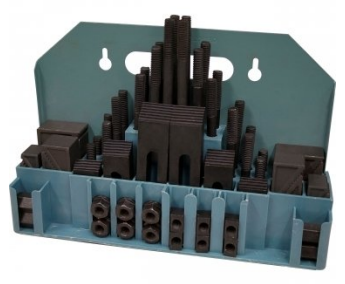
C922B
Collet & Chuck Set - 8 Piece



C926
Collet & Chuck Set - 20 Piece



C0955
Clamp Kit 58 piece - Workshop Series



V104
Vertex K-Type Milling Vice



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Product Brochure For M650

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 - 3 Piece with INSERTS



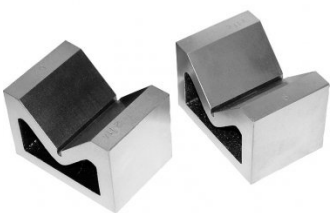
M528
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



R001
Rotary Table



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Product Brochure For M650

R0014
Tilting Rotary Table



P235
Coolant Pump & Tank



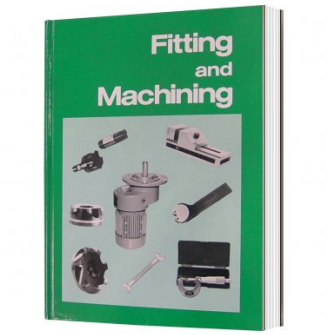
S090A
Soluble Metal Cutting Fluid - 1 Litre



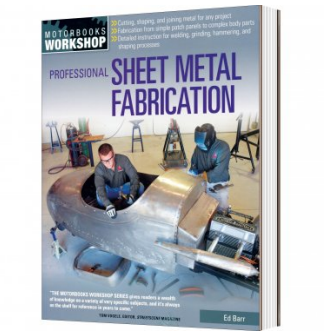
S090
Soluble Metal Cutting Fluid - 5 Litre



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



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Product Brochure For M650

O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

