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Product Brochure For M649

Mini Opti-Mill Drill - Geared & Tilting Head - BF-16V

Table Travel: (X) - 220mm (Y) - 160mm (Z) - 210mm
Electronic Variable Speeds & Dovetail Column



OPTIMUM

1 YEAR WARRANTY

10A PLUG 240V

On Sale

	Ex GST	Inc GST
	~~$1,290.00~~	~~$1,419.00~~
	$1,208.18	$1,329.00

ORDER CODE:	M649
MODEL:	BF-16V
Digital Readout:	Optional
Type:	Vertical
Table Size (mm):	400 x 120
Column Type:	Dovetail
Spindle Taper - Vertical:	3MT
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	220
Cross Travel (Y-Axis) (mm):	160
Vertical Travel (Z-Axis) (mm):	210
Type of Slides:	Dovetail
Ram Travel (mm):	~
Spindle to Table (mm):	270
Spindle to Base:	~
Spindle Travel / Diameter (mm):	50 / 60
Throat Depth (max.) (mm):	170
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):	10
Work Table Load Capacity (kg):	25
Spindle Speeds Vertical (No./ rpm):	Variable (100 - 3000)
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	0.5 / 0.66
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	78

Description

Excellent quality mini mill drill machine designed for the model engineer

Features

- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to ±90º from vertical
- 3MT spindle taper
- Adjustable dovetail slideways on all 3 axis
- Heavy duty cast iron body and base for better stability
- 2-speed gearbox (high/low) drive system to maximise torque
- IP54 with low-voltage release switch

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- Scale collars for all axis are adjustable
- 400 x 120mm cast iron work table with T-slots
- Adjustable table and drill length stops
- Metric dial graduations on X & Y Axis
- Rear slideway cover and slide clamps on all axis

Includes

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

Specific Features


Tilting Head


Left View


Front View



Control Panel


Safety Guard

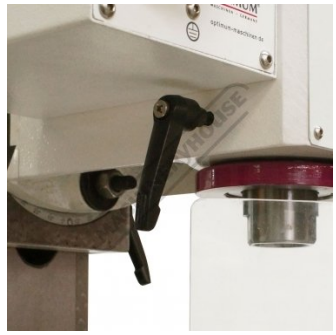

Quill Feed Handle



High Low Gearbox Drive


Vertical Height Scale


Z-Axis Adjustment Dial


Quill Lock


Tilting Head Lock


Drawbar

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Rear Slide Cover


Dovetail Column


Work Table


Table Limit Stop


Table Longitudinal Dial


Table Cross Feed Dial


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



D697
Optimum Magnetic Digital Readout Reader Head



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Product Brochure For M649

T773
Industrial Mobile Tooling Cabinet Workstation



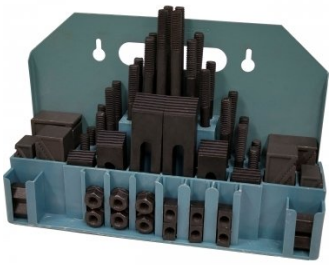
C922B
Collet & Chuck Set - 8 Piece



C926
Collet & Chuck Set - 20 Piece



C0945
Clamp Kit 58 piece - Workshop Series



C0948
Mini Clamp Kit 10 piece - Workshop Series



V104
Vertex K-Type Milling Vice



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



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Product Brochure For M649

M250
Parallel Set - 8 Piece



M530
Universal Milling Kit - 3 Piece with INSERTS



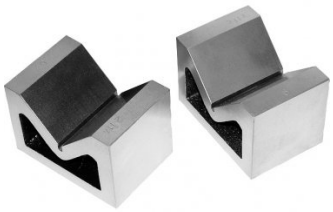
M528
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



R001
Rotary Table



R0014
Tilting Rotary Table



P235
Coolant Pump & Tank



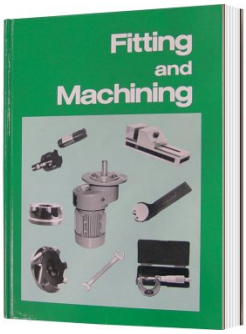
S090A
Soluble Metal Cutting Fluid - 1 Litre



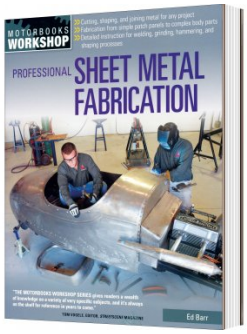
S090
Soluble Metal Cutting Fluid - 5 Litre



L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



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Product Brochure For M649

L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

