

## OPTIMUM BF-16V

OPTIMUM<sup>®</sup>

Mini Mill Drill - Geared & Tilting Head

(X) 220mm (Y) 160mm (Z) 210mm



**OPTIMUM BF-16V Mini Mill Drill - Geared & Tilting Head**



Tilting Head



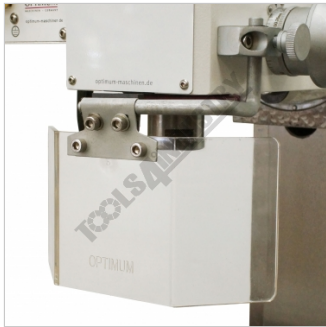
Left View



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



Rear Slide Cover



Dovetail Column



Work Table

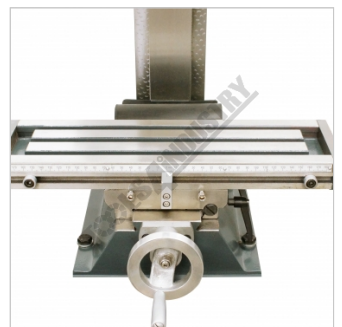


Table Limit Stop

## OPTIMUM BF-16V Mini Mill Drill - Geared & Tilting Head



Table Longitudinal Dial

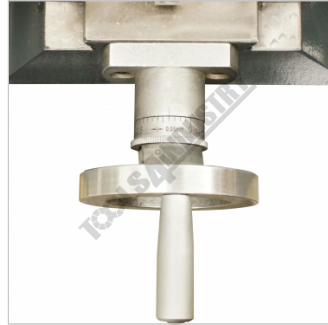


Table Cross Feed Dial



Toolbox



Includes Bracket Kit for  
Optional Readout



Shown on Optional Stand  
M651

### Description

Excellent quality mini mill drill machine designed for the model engineer

### Features

- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to  $\pm 90^\circ$  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
- 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



## OPTIMUM BF-16V Mini Mill Drill - Geared & Tilting Head

### Includes

- 3MT x JT6 drill chuck arbor
- Safety cutter guard
- Bracket kit for optional digital readout

### Specifications

<b>ORDER CODE</b>	M649
<b>Model</b>	BF-16V
<b>Digital Readout</b>	Optional
<b>Type</b>	Vertical
<b>Table Size</b>	400 x 120mm
<b>Column Type</b>	Dovetail
<b>Spindle Taper - Vertical</b>	3MT
<b>Spindle Taper - Horizontal</b>	~
<b>Longitudinal Travel (X-Axis)</b>	220mm
<b>Cross Travel (Y-Axis)</b>	160mm
<b>Vertical Travel (Z-Axis)</b>	210mm
<b>Type of Slides</b>	Dovetail
<b>Ram Travel</b>	~
<b>Spindle to Table</b>	270mm
<b>Quill Travel / Diameter</b>	50mm / 60mm
<b>Throat Depth (max.)</b>	170mm
<b>Tilting Head (Left ~ Right)</b>	±90°
<b>Tilting Head (Forward ~ Back)</b>	Fixed
<b>Drilling Capacity</b>	16mm
<b>End Milling Capacity</b>	20mm
<b>Face Milling Capacity</b>	63mm
<b>Power Feed - Quill</b>	~
<b>Power Feed - Longitudinal (X-Axis)</b>	~
<b>Power Feed - Cross (Y-Axis)</b>	~
<b>Power Feed - Vertical (Z-Axis)</b>	~
<b>Table T-Slot Size</b>	10mm
<b>Work Table Load Capacity</b>	25kg
<b>Spindle Speeds Vertical (steps/rpm)</b>	Variable (100-3000rpm)
<b>Spindle Speeds Horizontal (steps/rpm)</b>	~
<b>Motor Power - Vertical</b>	0.5kW / 0.66hp
<b>Motor Power - Horizontal</b>	~
<b>Motor Voltage</b>	240V
<b>Overall Height</b>	~
<b>Weight (nett)</b>	78kg