

OPTIMUM BF-20LV

OPTIMUM[®]

Mill Drill - Geared & Tilting Head

(X) 480mm (Y) 175mm (Z) 280mm



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



Front View



Left View



Safety Cutter Guard



Digital Readout For Quill Depth



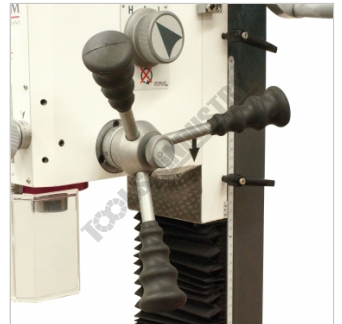
Control Panel with Variable Speed & DRO Display



Quill Fine Feed Adjustment



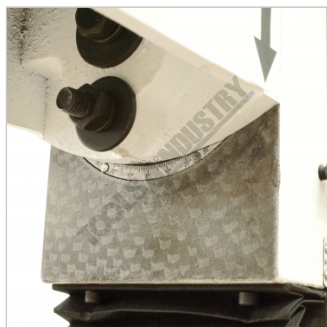
Milling Table



Quill Handle



High / Low Geared Head Dial



Tilt Head Adjustment



Light



Vertical Axis Scale



Vertical Axis Height Adjustment



Table Longitudinal Handle



Table Cross Feed Handle

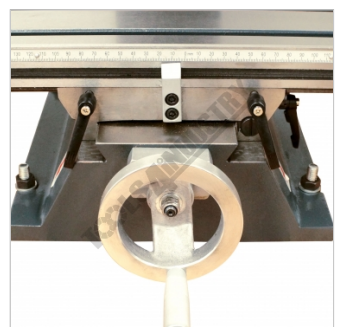
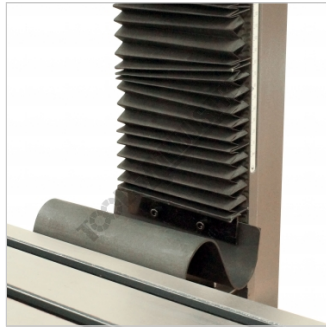


Table Limit Stop

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



Cross Slideway Cover



Vertical Slideway Cover



Drawbar



Toolbox



Includes Bracket Kit for
 Optional DRO



Shown on Optional Stand
 M651



Tilting Head Shown with
 Optional Stand and DRO



Shown with Optional Stand
 and DRO



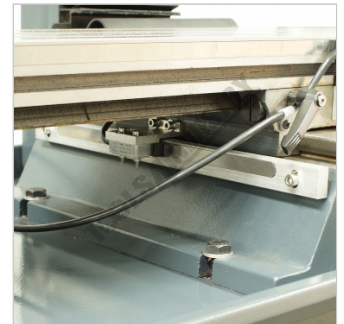
Left View with Optional Stand
 and DRO



Shown with Optional DRO
 Left View



Optional Reader Head on
 Vertical Axis



Optional Cross Feed Reader
 Head



Optional Longitudinal Reader
 Head



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

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

Specifications

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



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

Tilting Head (Left ~ Right)	±90°
Tilting Head (Forward ~ Back)	Fixed
Drilling Capacity	16mm
End Milling Capacity	20mm
Face Milling Capacity	63mm
Power Feed - Quill	~
Power Feed - Longitudinal (X-Axis)	~
Power Feed - Cross (Y-Axis)	~
Power Feed - Vertical (Z-Axis)	~
Table T-Slot Size	12mm
Work Table Load Capacity	40kg
Spindle Speeds Vertical (steps/rpm)	Variable (90-3000rpm)
Spindle Speeds Horizontal (steps/rpm)	~
Motor Power - Vertical	0.85kW / 1.13hp
Motor Power - Horizontal	~
Motor Voltage	240V
Overall Height	~
Weight (nett)	162kg