

# OPTIMUM BF-16AV

OPTIMUM®

## Opti-Mill Head Attachment - Geared & Tilting Head



**OPTIMUM Opti-Mill Head Attachment - Geared & Tilting Head BF-16AV**



Control Panel with Variable Spindle Speed



Swivel Head Lock



High Low Geared Drive



Dovetail Column



Z-Axis Scale



Z-Axis Hand Wheel



Quill Handle



Quill Lock



Drawbar



Safety Guard

**Description**

The BF-16AV mill head attachment is specifically designed to suit the TU-2506V & TU-3008G Optimum bench lathes; converting them into a universal combination lathe/mill when mounted together. In addition this compact setup has the advantage of that it requires less valuable floor space than the two separate conventional machines.

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### Features

- Electronic infinitely variable speed (100-3000rpm)
  - Tilting head to  $\pm 90^\circ$  from vertical
  - 3MT spindle taper
  - Adjustable dovetail slideway on Z-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
  - Adjustable drill length stop
  - Metric dial graduations
- Note: The lathe rear splash tray is required to be removed to fit Mill Head Attachment

### Includes

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

### Specifications

<b>ORDER CODE</b>	M646
<b>MODEL</b>	BF-16AV
<b>Digital Readout</b>	Optional
<b>Type</b>	Vertical
<b>Table Size (mm)</b>	~
<b>Column Type</b>	Dovetail
<b>Spindle Taper - Vertical</b>	3MT
<b>Spindle Taper - Horizontal</b>	~
<b>Longitudinal Travel (X-Axis) (mm)</b>	~
<b>Cross Travel (Y-Axis) (mm)</b>	~
<b>Vertical Travel (Z-Axis) (mm)</b>	210
<b>Type of Slides</b>	Dovetail
<b>Ram Travel (mm)</b>	~
<b>Spindle to Table (mm)</b>	~
<b>Spindle to Base</b>	~
<b>Spindle Travel / Diameter (mm)</b>	50 / 60
<b>Throat Depth (max.) (mm)</b>	170
<b>Tilting Head (Left ~ Right)</b>	$\pm 90^\circ$
<b>Tilting Head (Forward ~ Back)</b>	Fixed
<b>Drilling Capacity (mm)</b>	16
<b>End Milling Capacity (mm)</b>	20
<b>Face Milling Capacity (mm)</b>	63
<b>Power Feed - Quill (mm/rev)</b>	~
<b>Power Feed - Longitudinal (X-Axis) (mm/min)</b>	~
<b>Power Feed - Cross (Y-Axis) (mm/min)</b>	~
<b>Power Feed - Vertical (Z-Axis) (mm/min)</b>	~

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<b>Table T-Slot Size (inch / mm)</b>	~
<b>Work Table Load Capacity (kg)</b>	~
<b>Spindle Speeds Vertical (No./ rpm)</b>	Variable (100 - 3000)
<b>Spindle Speeds Horizontal (No./ rpm)</b>	~
<b>Spindle Speeds - Universal Head</b>	~
<b>Motor Power - Vertical Spindle (kW / hp)</b>	0.5 / 0.66
<b>Motor Power - Horizontal Spindle (kW / hp)</b>	~
<b>Motor Power - Universal Head</b>	~
<b>Voltage / Amperage (V / amp)</b>	240 / 10
<b>Nett Weight (kg)</b>	67