Auckland: (09) 2717 234
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Product Brochure For M646

# Opti-Mill Head Attachment - Geared & Tilting Head - BF-16AV

Electronic Variable Speeds & Dovetail Column




| | |
|---|---|
| ORDER CODE: | M646 |
| MODEL: | BF-16AV |
| Digital Readout: | Optional |
| Type: | Vertical |
| Table Size (mm): | ~ |
| Column Type: | Dovetail |
| Spindle Taper - Vertical: | 3MT |
| Spindle Taper - Horizontal: | ~ |
| Longitudinal Travel (X-Axis) (mm): | ~ |
| Cross Travel (Y-Axis) (mm): | ~ |
| Vertical Travel (Z-Axis) (mm): | 210 |
| Type of Slides: | Dovetail |
| Ram Travel (mm): | ~ |
| Spindle to Table (mm): | ~ |
| 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): | ~ |
| Work Table Load Capacity (kg): | ~ |
| 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): | 67 |

## 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 then the two separate conventional machines.

## Features

- Electronic infinitely variable speed (100-3000rpm)
- Tilting head to ±90º 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

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## Includes

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

## Specific Features



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

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## Recommended Accessories

L689
Opti-Turn Bench Lathe



L691
Opti-Turn Bench Lathe




L690
Lathe Stand



D695
3-Axis Optimum Digital Readout Counter - 1µm




D694
1500mm Optimum Magnetic Digital Readout  Scale



D697
Optimum Magnetic Digital Readout Reader Head



T773
Industrial Mobile Tooling Cabinet Workstation



C926
Collet & Chuck Set - 20 Piece



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C922B
Collet & Chuck Set - 8 Piece



C0948
Mini Clamp Kit 10 piece - Workshop Series



C0945
Clamp Kit 58 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



M250
Parallel Set - 8 Piece



M530
Universal Milling Kit - 3 Piece with INSERTS



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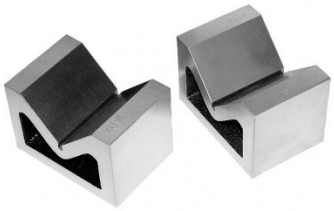
M528
Face Mill 90º - Positive Rake



L066
KYOCERA Carbide Inserts - Milling



V004
Cast Iron Vee Block



R001
Rotary Table



R0014
Tilting Rotary Table



P235
Coolant Pump & Tank



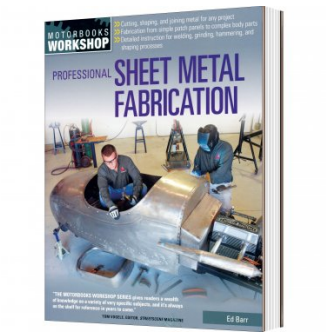
S090A
Soluble Metal Cutting Fluid - 1 Litre




S090
Soluble Metal Cutting Fluid - 5 Litre



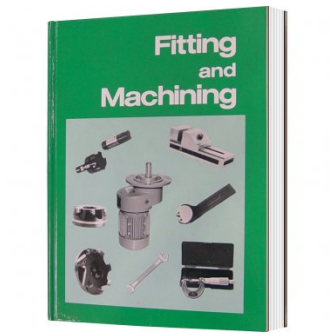

L3455
Professional Sheet Metal Fabrication Book




L345
Handy Workshop Tips & Techniques - 1st Edition




L341
Fitting and Machining Technical Book




L300
Magnetic Swarf Remover



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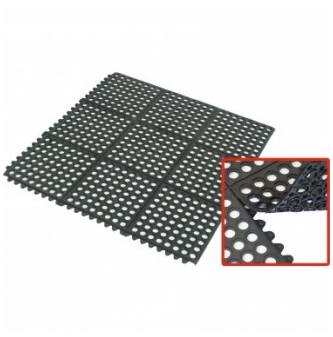
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive




O042
General Purpose Lubricant & Corrosion Inhibitor




O044
Rust & Corrosion Preventive

