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Product Brochure For M639D

Heavy Duty Universal Milling Machine - BM-1600

Table Travel: (X) - 1200mm (Y) - 700mm (Z) - 500mm

Includes Digital Readout System & Servo Driven Ballscrew System X, Y & Z-Axis



ORDER CODE:	M639D
MODEL:	BM-1600
Digital Readout:	3-Axis Digital Readout
Type:	Universal Head
Table Size (mm):	1600 x 500
Column Type:	Dovetail
Spindle Taper - Vertical:	NT50
Spindle Taper - Horizontal:	NT50
Longitudinal Travel (X-Axis) (mm):	1200
Cross Travel (Y-Axis) (mm):	700
Vertical Travel (Z-Axis) (mm):	500
Type of Slides:	Dovetail (X), Square (Y & Z)
Ram Travel (mm):	45 - 745
Spindle to Table (mm):	50 - 550
Spindle to Base:	~
Spindle Travel / Diameter (mm):	~
Throat Depth (max.) (mm):	~
Tilting Head (Left ~ Right):	360º
Tilting Head (Forward ~ Back):	Fixed
Drilling Capacity (mm):	~
End Milling Capacity (mm):	~
Face Milling Capacity (mm):	~
Power Feed - Quill (mm/rev):	~
Power Feed - Longitudinal (X-Axis) (mm/min):	10 - 1000
Power Feed - Cross (Y-Axis) (mm/min):	10 - 1000
Power Feed - Vertical (Z-Axis) (mm/min):	5 - 500
Table T-Slot Size (inch / mm):	18
Work Table Load Capacity (kg):	1800
Spindle Speeds Vertical (No./ rpm):	~
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	27 (30 - 2050)
Motor Power - Vertical Spindle (kW / hp):	~
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	7.5 / 10
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	4500

Description

The BM-1600 universal milling machine features a solid, heavy cast iron construction, making this model ideal for heavy machining of oversize workpieces.
The servo-controlled feed system ensures constant torque when removing metal under extreme load. All this is combining with and extra-large hardened & ground working table with long travels to match.

Features

- 3-Axis digital readout fitted
- Large 1600 x 500mm slotted work table
- NT50 universal head swivels 360º & tilts vertical to horizontal position
- Electric brake & rapid feed on X, Y & Z-Axis
- Servo controlled feed motors on X, Y & Z-Axis ensures constant torque
- Hardened ballscrew X, Y & Z-Axis preloaded for easy and precise feeds
- Rigid, torsion-proof construction, dovetail guide X-Axis & wide square guides Y & Z-Axis
- Robust transmission with hardened and ground gears & slide-ways
- Hardened & ground work table & all X, Y & Z-Axis slideways
- All slideways are automatically lubricated
  High grade casting for additional strength & minimal deformation

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- Quality electrics & overload protection in an easy access enclosure
- Table trays each end of work table
- Steel slide-way cover Y-Axis

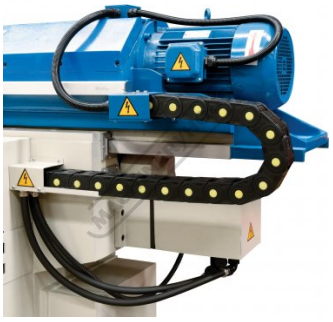
Includes

- Safety cutter guard
- Coolant system
- Automatic oil lubrication system
- Cast iron table extensions
- LED light
- Base swarf tray
- M24 drawbar

Specific Features


Control Panel

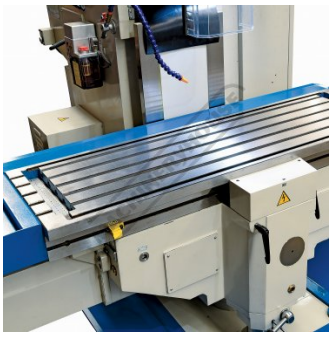

Adjustable Control Arm


7.5kW / 10hp Spindle Motor


27 Geared Spindle Speeds


NT50 Spindle Taper


Universal Head - Tilts Vertical To Horizontal

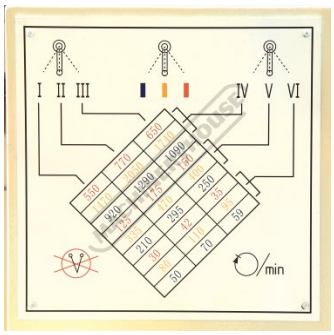

1600 x 500mm Slotted Work Table


Automatic Slideway Lubrication System


Motor Power Toggle Switch


Horizontal Table Locks

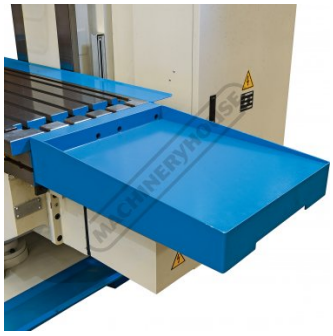

Vertical Table Lock



27 Spindle Speed Chart

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Side Table Tool Rest


LED Work Light


Adjustable Table Travel Limit Stops



ON-OFF Isolation Switch