

HAFCO-METALMASTER BM-1600



Heavy Duty Universal Milling Machine

Table Travel: (X) - 1310mm (Y) - 300mm (Z) - 410mm



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Rear View



Control Panels



Safety Milling Guard



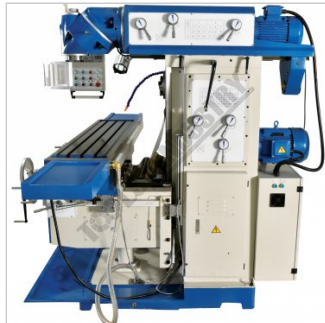
Top Gear Adjustment and Chart



Speed Control Chart



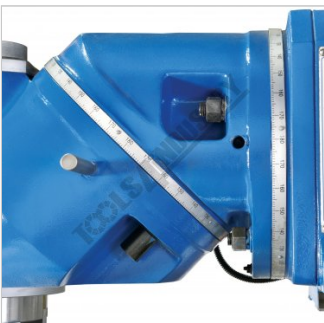
Front View



Right Side



Left Side



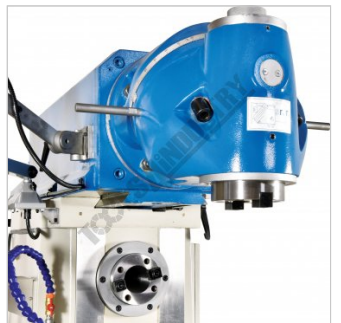
Head Tilt



Work Table



Lubrication



Mill Head



Top View



Accessories

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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 an extra-large hardened & ground working table with long travels to match.

Features

- 3-Axis digital readout fitted
- Large 1600 x 360mm slotted work table
- NT50 universal head swivels 360° & tilts vertical to horizontal position
- Servo controlled feed motors on X, Y & Z-Axis ensures constant torque
- Rigid, torsion-proof construction, dovetail guide X & Z-Axis & wide square guides Y-Axis
- Robust transmission with hardened and ground gears & slide-ways
- Hardened & ground work table & all X, Y & Z-Axis slideways
- Swivel table left & right with graduated scale
- Oil lubrication pump and reservoir
- High grade casting for additional strength & minimal deformation
- Quality electrics & overload protection in an easy access enclosure
- Table trays each end of work table
- Slide-way cover Y & Z-Axis

Includes

- 3-Axis digital readout fitted
- Safety cutter guard
- Coolant system
- LED light
- One-shot oil lubrication pump and reservoir
- Base swarf tray
- NT50 x ER40 Collet Chuck Set with 8 Collets
- NT50 x 40mm Face Mill Arbour
- NT50 x 4MT Adaptor
- NT50 x 27mm Horizontal Arbour
- NT50 x 32mm Horizontal Arbour
- M24 drawbar for Universal Head Spindle
- M24 drawbar for Horizontal Spindle

Specifications

ORDER CODE	M638D
MODEL	BM-1600
Digital Readout	3-Axis Digital Readout
Type	Universal Head
Table Size (mm)	1600 x 360
Column Type	Dovetail
Spindle Taper - Vertical	NT50
Spindle Taper - Horizontal	NT50
Longitudinal Travel (X-Axis) (mm)	1310
Cross Travel (Y-Axis) (mm)	300
Vertical Travel (Z-Axis) (mm)	410

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Type of Slides	Dovetail (X), Square (Y & Z)
Ram Travel (mm)	45 - 745
Spindle to Table (mm)	150 - 560
Spindle to Base	~
Spindle Travel / Diameter (mm)	~
Throat Depth (max.) (mm)	~
Tilting Head (Left ~ Right)	360°
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)	30 - 750
Power Feed - Cross (Y-Axis) (mm/min)	20 - 500
Power Feed - Vertical (Z-Axis) (mm/min)	15 - 375
Table T-Slot Size (inch / mm)	18
Work Table Load Capacity (kg)	400
Spindle Speeds Vertical (No./ rpm)	12 / 60 - 1750
Spindle Speeds Horizontal (No./ rpm)	12 / 60 - 1800
Spindle Speeds - Universal Head	27 (30 - 2050)
Motor Power - Vertical Spindle (kW / hp)	4 / 5.5
Motor Power - Horizontal Spindle (kW / hp)	5.5 / 7.5
Motor Power - Universal Head	~
Voltage / Amperage (V / amp)	415
Nett Weight (kg)	4500