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Product Brochure For M621D

Industrial Turret Milling Machine - Horizontal - Vertical - BM-67HV

Table Travel: (X) - 1000mm (Y) - 300mm (Z) - 400mm
Includes Digital Readout System



ORDER CODE:	M621D
MODEL:	BM-67HV
Digital Readout:	3-Axis Digital Readout
Type:	Vertical & Horizontal
Table Size (mm):	1320 x 320
Column Type:	~
Spindle Taper - Vertical:	NT40
Spindle Taper - Horizontal:	NT40
Longitudinal Travel (X-Axis) (mm):	1000
Cross Travel (Y-Axis) (mm):	300
Vertical Travel (Z-Axis) (mm):	400
Type of Slides:	Dovetail (X), Square (Y & Z)
Ram Travel (mm):	~
Spindle to Table (mm):	580
Spindle to Base:	~
Spindle Travel / Diameter (mm):	125 / 105
Throat Depth (max.) (mm):	780
Tilting Head (Left ~ Right):	±90º
Tilting Head (Forward ~ Back):	Fixed
Drilling Capacity (mm):	~
End Milling Capacity (mm):	~
Face Milling Capacity (mm):	~
Power Feed - Quill (mm/rev):	0.045 / 0.086 / 0.142
Power Feed - Longitudinal (X-Axis) (mm/min):	20 - 360
Power Feed - Cross (Y-Axis) (mm/min):	20 - 360
Power Feed - Vertical (Z-Axis) (mm/min):	Rapid
Table T-Slot Size (inch / mm):	14
Work Table Load Capacity (kg):	500
Spindle Speeds Vertical (No./ rpm):	Variable (60 - 3600)
Spindle Speeds Horizontal (No./ rpm):	12 (40 - 1300)
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	3.75 / 5
Motor Power - Horizontal Spindle (kW / hp):	3.75 / 5
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	2150

Features

- 3 Axis digital readout fitted
- 5hp 415V motor on vertical spindle, variable speed system
- 5hp 415V motor on horizontal spindle controlled via gear selection levers
- Heavy duty gearbox feed motors on X & Y-Axis ensures constant torque
- NT40 vertical spindle taper with a 105mm chrome hardened & ground quill
- NT40 horizontal spindle taper
- Hardened & ground work table & slide-ways
- Large 1320mm x 320mm work table
- High / neutral and low gear selection lever to maximise torque
- Turcite B coated X & Y-Axis slide-ways reduces friction
- Meehanite casting for high strength & minimal deformation
- Powered elevating motor for Z-Axis
- Hardened & ground work table & slide-ways with square slides X & Z-Axis
- Horizontal travelling ram mounted on a solid base allowing repositioning of spindle
- Micro switch on the manual knee handle for additional operator safety
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.045, 0.086, 0.142mm/rev
  Automatic cut off depth stop on quill

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- Oil lubrication pump & reservoir
- Mill head tilts to ±90º left and right
- Table trays each end of work table
- Manual quick action quill lever

Includes

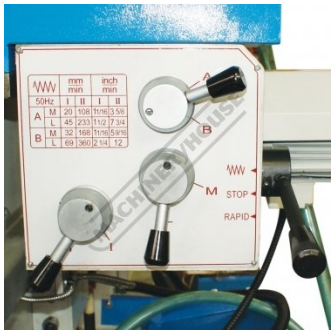
- 3 Axis digital readout fitted
- 1" & 1 1/4" horizontal arbors
- Machine vice (150mm)
- Clamp kit
- Collet chuck set 8 piece (4-16mm)
- Drill chuck and arbor
- Oil lubrication pump and reservoir
- Coolant system
- Halogen light
- Slideway cover
- Z axis powered elevating motor
- X & Y-Axis power-feed
- Halogen light
- Safety cutter guard
- Swarf tray

Specific Features

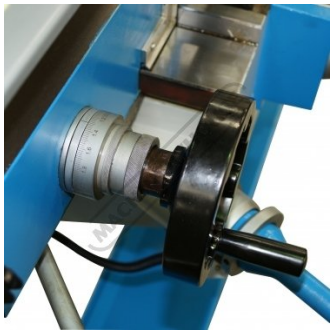

Control Panel with DRO


Horizontal Spindle


Gearbox Feed


Gearbox Feed Controls


Cross Feed Dial


X Axis Hand Wheel


Y Axis Feed Control Lever


Z Axis Hand Wheel

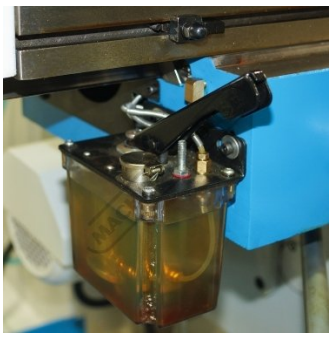
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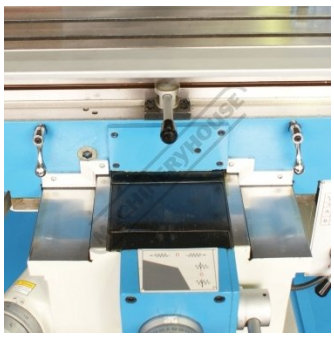
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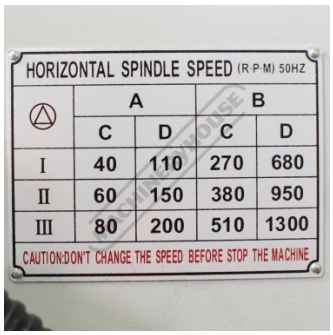

Table Controls


Table Clamp


Lubrication Pump


X Axis Engage Lever


Horizontal Spindle Speeds Selectors



Horizontal Spindle Speed Chart


Horizontal Spindle Support


Swivel & Sliding Ram


Head Left View


Head Right View



Variable Speed Head


Head Side View


Spindle Brake Lever


Mill Head Depth Stop


Quill Feed Engage Lever


Quill Feed Selection Lever

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Product Brochure For M621D



Quill Feed engagement



High Low Spindle Speed Handle


Swivel Head Nuckle


Z Axis Lock



Horizontal Spindle On Off Switch With Toggle


Includes Collet Set


Includes Drill Chuck and Morse Taper Adaptors


Includes Horizontal Arbors


Includes 150mm Vice


Includes Clamp Kit Set

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Recommended Accessories

A358
Sky Hook Lifting Device



A358A
Chuck Hook



L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper



C0965
Clamp Kit 58 piece - Workshop Series



M184
Precision Boring Head



M185
Precision Universal Facing & Boring Head



M197A
Boring Head Shank



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C290
Heavy Duty Drill Chuck - Keyed Type



C292
Industrial Drill Chuck - Keyless Type



C294
Industrial Drill Chuck - Keyless Type



D446
NT40 x JT6 Drill Chuck Arbor - M16 Threaded Shank



D448
NT40 x JT3 Drill Chuck Arbor - M16 Threaded Shank



C966
Collet & Chuck Set - 25 Piece



M3301
Metric HSS Slot Drill & End Mill Set - 10 Piece



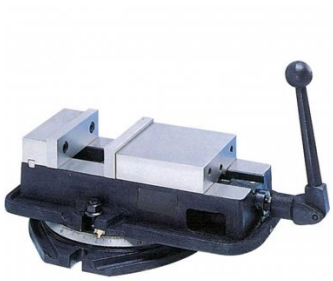
M3321
Imperial HSS Slot Drill & End Mill Set - 10 Piece



V106
Vertex K-Type Milling Vice



V306
Vertex Anglock Machine Vice



R008
Vertex Rotary Table



R010
Vertex Rotary Table



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Product Brochure For M621D

D001
Vertex Dividing Head - Semi Universal



D002
Vertex Dividing Head - Semi Universal



R002
Vertex Super Indexing Head



C280
3 Jaw Self Centring Lathe Chuck



C2806
3 Jaw Self Centring Lathe Chuck



M2295
Power Feed Unit



L065
KYOCERA Carbide Inserts - Milling



M510
Face Mill 90º - Positive Rake



M512
Face Mill 90º - Positive Rake



M503
Face Mill 90º - Positive Rake



M515
Face Mill 45º - Super High-Rake



M517
Face Mill 45º - Super High-Rake



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Product Brochure For M621D

M518
Face Mill 45º - Super High-Rake



M550
Face Mill Arbor



M552
Face Mill Arbor



M554
Face Mill Arbor



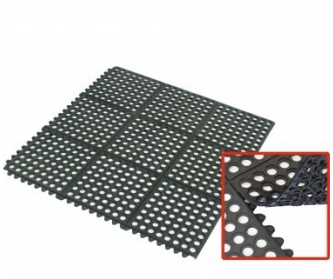
M555
Face Mill Arbor



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



S076
Cutting Tool Lubricant Fluid - 500ml



S077
Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S074
Cutting Tool Lubricant Paste - 500g



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Product Brochure For M621D

O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

