

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):	±90°
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

Product Brochure For M621D

- Oil lubrication pump & reservoir
- Mill head tilts to $\pm 90^\circ$ 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



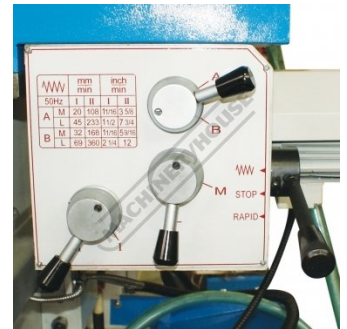
Control Panel with DRO



Horizontal Spindle



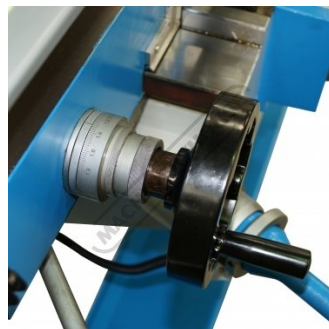
Gearbox Feed



Gearbox Feed Controls



Cross Feed Dial



X Axis Hand Wheel



Y Axis Feed Control Lever



Z Axis Hand Wheel

Product Brochure For M621D



Table Controls



Table Clamp



Lubrication Pump



X Axis Engage Lever



Horizontal Spindle Speeds Selectors

HORIZONTAL SPINDLE SPEED (R.P.M) 50HZ				
	A		B	
	C	D	C	D
I	40	110	270	680
II	60	150	380	950
III	80	200	510	1300

CAUTION: DON'T CHANGE THE SPEED BEFORE STOP THE MACHINE

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

Product Brochure For M621D



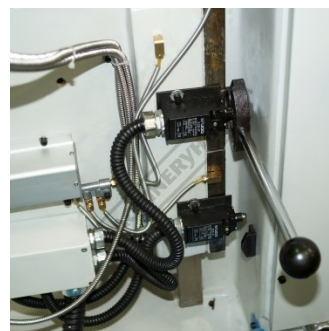
Quill Feed engagement



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

Product Brochure For M621D

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



Product Brochure For M621D

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



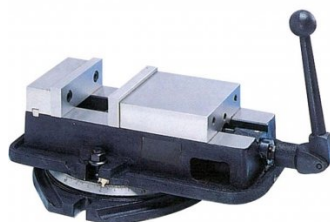
V106

Vertex K-Type Milling Vice



V306

Vertex Anglock Machine Vice



R008

Vertex Rotary Table



R010

Vertex Rotary Table



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 90° - Positive Rake



M512

Face Mill 90° - Positive Rake



M503

Face Mill 90° - Positive Rake



M515

Face Mill 45° - Super High-Rake



M517

Face Mill 45° - Super High-Rake



Product Brochure For M621D

M518

Face Mill 45° - Super High-Rake



M550

Face Mill Arbor



M552

Face Mill Arbor



M554

Face Mill Arbor



M555

Face Mill Arbor



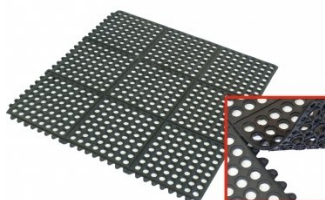
M800

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



S075

Cutting Tool Lubricant Paste - 200g



Product Brochure For M621D

S074

Cutting Tool Lubricant Paste -
500g



O000

SpillFix Universal Organic
Absorbent



O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant &
Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

