Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

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

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

- 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

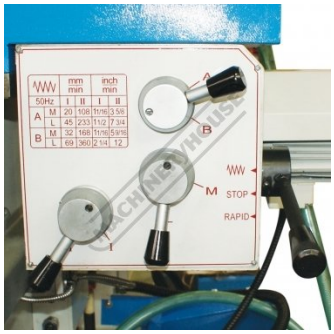
- 3 Axis digital readout fitted
- 1" & 1 1/4" horizontal arbors
- Machine vice (150mm)
- Clamp kit
- Collet chuck set 8 piece (4-16mm)
- Drill chuck and arbor
- Oil lubrication pump and reservoir
- Coolant system
- Halogen light
- Slideway cover
- Z axis powered elevating motor
- X & Y-Axis power-feed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

Specific Features

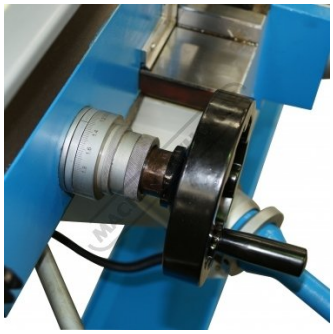

Control Panel with DRO


Horizontal Spindle


Gearbox Feed


Gearbox Feed Controls


Cross Feed Dial


X Axis Hand Wheel


Y Axis Feed Control Lever

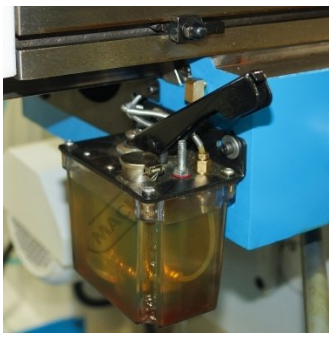

Z Axis Hand Wheel

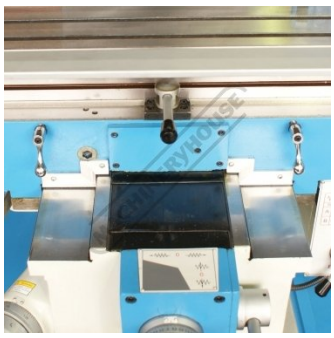
Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For M621D

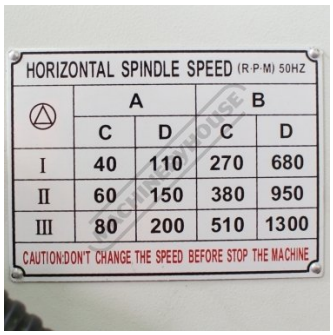

Table Controls


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

Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

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

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



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

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



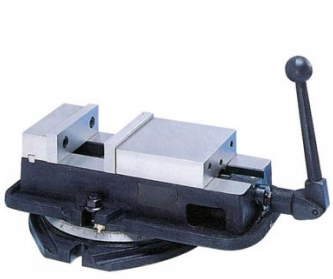
M3321
Imperial HSS Slot Drill & End Mill Set - 10 Piece



V106
Vertex K-Type Milling Vice



V306
Vertex Anglock Machine Vice



R008
Vertex Rotary Table



R010
Vertex Rotary Table



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

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



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For M621D

M518
Face Mill 45º - Super High-Rake



M550
Face Mill Arbor



M552
Face Mill Arbor



M554
Face Mill Arbor



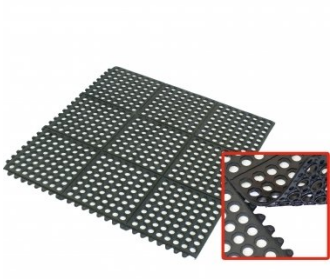
M555
Face Mill Arbor



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



S075
Cutting Tool Lubricant Paste - 200g



Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

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

