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Product Brochure For M593D

Industrial Turret Milling Machine - BM-22AD

Table Travel: (X) - 590mm (Y) - 295mm (Z) - 380mm



ORDER CODE:	M593D
MODEL:	BM-22AD
Digital Readout:	3-Axis Counter, X, Y Scales
Type:	Vertical
Table Size (mm):	1066 x 230
Column Type:	~
Spindle Taper - Vertical:	NT30
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	595
Cross Travel (Y-Axis) (mm):	300
Vertical Travel (Z-Axis) (mm):	360
Type of Slides:	Dovetail
Ram Travel (mm):	500
Spindle to Table (mm):	~
Spindle to Base:	~
Spindle Travel / Diameter (mm):	127 / 86
Throat Depth (max.) (mm):	720
Tilting Head (Left ~ Right):	±90º
Tilting Head (Forward ~ Back):	±45º
Drilling Capacity (mm):	~
End Milling Capacity (mm):	~
Face Milling Capacity (mm):	~
Power Feed - Quill (mm/rev):	0.04 / 0.08 / 0.15
Power Feed - Longitudinal (X-Axis) (mm/min):	20 - 2000
Power Feed - Cross (Y-Axis) (mm/min):	Optional
Power Feed - Vertical (Z-Axis) (mm/min):	Optional
Table T-Slot Size (inch / mm):	16
Work Table Load Capacity (kg):	250
Spindle Speeds Vertical (No./ rpm):	8 (65 - 2330)
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	2.2 / 3
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	240 / 15
Nett Weight (kg):	1100

Features

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- 3hp, 240V motor, 8-speeds V-belt drive system
- NT30 Spindle taper with a chrome & ground quill
- Hardened & ground work table & slide-ways
- All slides utilise dovetail construction for maximum rigidity
- Meehanite casting for high strength & minimal deformation
- Quality electrics & overload protection in an easy access enclosure
- Horizontal travelling ram mounted on a rotating base allowing repositioning of spindle
- The ram incorporates a tail lug (spigot) to accept a slotting attachment etc.
- High / neutral and low gear selection lever to maximise torque
- Asong X-Axis power-feed with adjustable micro switch feed stops
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.04, 0.08, 0.15mm/rev
- Automatic cut off depth stop on quill
- Oil lubrication pump and reservoir
- Slideway covers Y & Z-Axis
- Mill head tilts to ±45º forward and back
- Mill head tilts to ±90º left and right
- Coolant system with flexible hose

- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

- 3-Axis digital readout counter fitted with X & Y scales only
- One-shot oil lubrication pump and reservoir
- Drawbar M12 thread
- Coolant system
- Slideway covers
- X-Axis power-feed
- Halogen light
- Safety cutter guard
- Swarf tray

Specific Features


Left View



Control Panel



3 Axis DRO with X and Y Axis Scales


X and Y Axis Scales



Head Controls



Spindle Brake Lever, High or Low Speed Selector and Belt Tension Lever

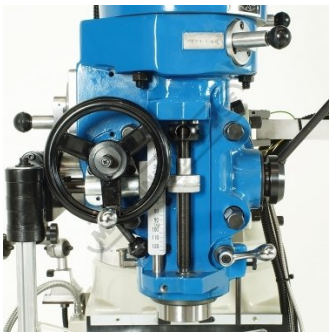


Speed Chart


8 Speed V Belt Drive System



Low High Speed Selector


Quill Feed Depth Stop


Quill Feed Engagement Lever

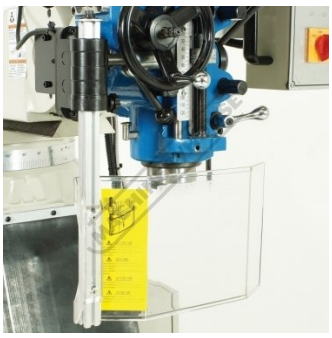


Feed Engage Disengage Lever

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Quill Handle


Safety Cutter Guard


Hardened and Ground Work Table and Slide Ways


X Axis Power Feed With Rapid


Table Feed Limit Switch


X Axis Dial


Y Axis Dial


Knee Feed Handle


Z Axis Dial


Slide Way Cover

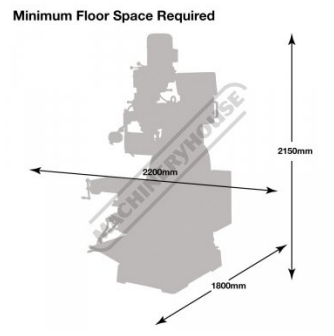

Tilting and Rotating Head


Adjustable Swivel and Sliding Ram


Tail Lug Supports Optional Slotting Head


One Shot Lubrication Pump

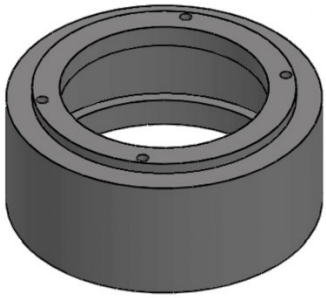

Halogen Worklight and Coolant Hose



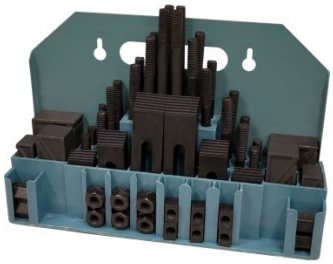
Minimum Floor Space Required

Recommended Accessories

M224
Riser Spacer - Suits Turret Milling Machines



C0966
Clamp Kit 58 piece - Workshop Series



C096A
Clamp Kit 58 piece - Industrial Series



C928
Collet & Chuck Set - 20 Piece



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



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



M184
Precision Boring Head



M185
Precision Universal Facing & Boring Head



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Product Brochure For M593D

M197
Boring Head Shank



M181
Boring Bar Set - 12 piece



M181A
Boring Bar Set - 4 piece



V306
Vertex Anglock Machine Vice



C290
Heavy Duty Drill Chuck - Keyed Type



C294
Industrial Drill Chuck - Keyless Type



D451
NT30 x JT3 Drill Chuck Arbor



M250
Parallel Set - 8 Piece



M252
Parallel Set - 18 Piece



R008
Vertex Rotary Table



R010
Vertex Rotary Table



D001
Vertex Dividing Head - Semi Universal



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Product Brochure For M593D

C280
3 Jaw Self Centring Lathe Chuck



R002
Vertex Super Indexing Head



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



M518
Face Mill 45º - Super High-Rake



L065
KYOCERA Carbide Inserts - Milling



L066
KYOCERA Carbide Inserts - Milling



L059
Carbide Inserts - Milling



M540
Face Mill Arbor



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Product Brochure For M593D

M542
Face Mill Arbor



M544
Face Mill Arbor



M545
Face Mill Arbor



M247
Air Power Drawbar



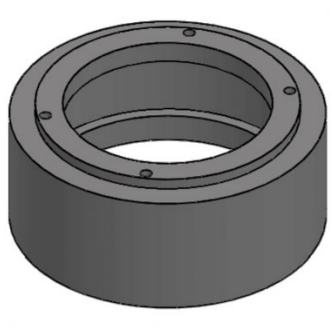
M2295
Power Feed Unit



M229
Power Feed Unit



M223
Riser Spacer - Suits Turret Milling Machines



M225
Precision Slotting Head Attachment



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



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Product Brochure For M593D

S075
Cutting Tool Lubricant Paste - 200g



S074
Cutting Tool Lubricant Paste - 500g



L300
Magnetic Swarf Remover



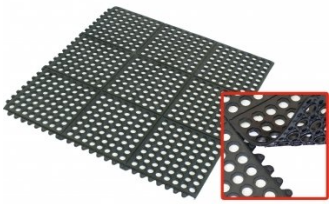
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

