

## Product Brochure For M595D

### Industrial Turret Milling Machine - BM-23A

Table Travel: (X) - 585mm (Y) - 295mm (Z) - 400mm

Includes Digital Readout System



ORDER CODE:	M595D
MODEL:	BM-23A
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):	585
Cross Travel (Y-Axis) (mm):	295
Vertical Travel (Z-Axis) (mm):	400
Type of Slides:	Dovetail
Ram Travel (mm):	420
Spindle to Table (mm):	480
Spindle to Base:	~
Spindle Travel / Diameter (mm):	127 / 86
Throat Depth (max.) (mm):	545
Tilting Head (Left ~ Right):	±90°
Tilting Head (Forward ~ Back):	±45°
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):	1150

#### 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
- 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 ±45° forward and back
- Mill head tilts to ±90° left and right

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- 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



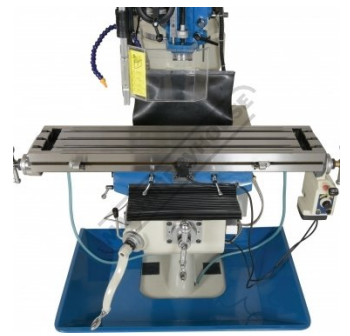
Left View



Control Panel & 3 Axis DRO with X & Y Axis Scales



Head Controls



Hardened and Ground Work Table



Spindle Break Lever High or Low Speed Selector and Belt Tension Handle



Drawbar



Heavy Duty 3hp 240V Motor



Spindle Speed Chart



High Low Speed Selection



Quill Feed Lever



Low High Speed Lever



Tail Lug Supports Optional Slotting Head

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Tilting and Rotating Head



Tilting and Rotating Head Scales



Adjustable Swivel and Sliding Ram



X & Y Axis Scales



Slide Way Cover



Quill Feed Depth Stop



Quill Handle



Safety Cutter Guard



Feed Selection Handle



Work Light and Coolant Hose



Table Feed Limit Switch



X Axis Power Feed with Rapid



X Axis Dial



X Axis Dial Other Side



Y Axis Dial



Z Axis Handle

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Z Axis Dial



One Shot Lubrication System

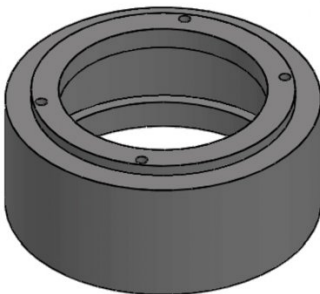


Included Accessories

**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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**M197**  
Boring Head Shank



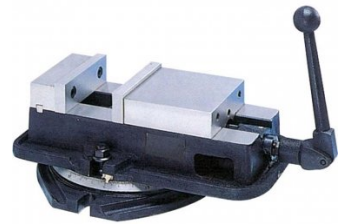
**M181**  
Boring Bar Set - 12 piece



**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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**C280**  
3 Jaw Self Centring Lathe Chuck



**R002**  
Vertex Super Indexing Head



**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



**M518**  
Face Mill 45° - 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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M542  
Face Mill Arbor



M544  
Face Mill Arbor



M545  
Face Mill Arbor



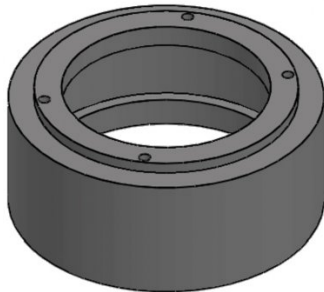
M2295  
Power Feed Unit



M229  
Power Feed Unit



M223  
Riser Spacer - Suits Turret  
Milling Machines



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



L300  
Magnetic Swarf Remover



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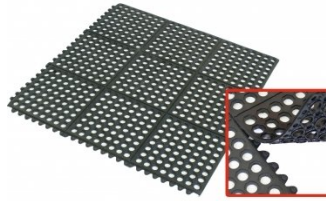
**M9991**  
Magnetic Floor Sweeper



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue



**O043**  
Rust & Corrosion Preventive



**O042**  
General Purpose Lubricant & Corrosion Inhibitor



**O044**  
Rust & Corrosion Preventive

