

Product Brochure For M603D

## BM-30A - Industrial Turret Milling Machine

Table Travel: (X) - 760mm (Y) - 360mm (Z) - 430mm  
 Includes Digital Readout System, Vice & Clamp Kit

**Ex GST**                      **Inc GST**  
**\$14,250.00**    **\$15,675.00**



ORDER CODE:	M603D
MODEL:	BM-30A
Digital Readout:	3-Axis Counter, X, Y Scales
Type:	Vertical
Table Size (mm):	1270 x 254
Column Type:	~
Spindle Taper - Vertical:	NT30
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	760
Cross Travel (Y-Axis) (mm):	360
Vertical Travel (Z-Axis) (mm):	430
Type of Slides:	Dovetail
Ram Travel (mm):	520
Spindle to Table (mm):	505
Spindle to Base:	~
Spindle Travel / Diameter (mm):	127 / 86
Throat Depth (max.) (mm):	740
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):	0.015 / 0.04 / 0.08
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):	5/8
Work Table Load Capacity (kg):	250
Spindle Speeds Vertical (No./ rpm):	8 (80 - 2720)
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 / 20
Nett Weight (kg):	1100



### Description

The BM-30A Industrial turret milling machine is manufactured in Taiwan to a strict precision engineering ultra-high tolerance & superior excellence to cope with many jobs set out by the professional machinist and importantly to deliver many years of valuable & reliable service.

This small but robust milling machine package is complete with a few of the most desirable features like, turcite B coated X & Y slide-ways that reduces friction to provide smooth table movement even when loaded up with a heavy job, hardened & ground work table & slide-ways, X-axis auto power-feed with adjustable feed stops, 3-axis digital readout counter plus X & Y scales fitted and also includes a machine vice & clamp kit set to get you started.

Another reliable feature in this range of precision milling machines is the manufacturing process of the main body & supports, it is made up from the highest quality Meehanite® cast iron. The key to the undisputed success of Meehanite® metals is the rigid application of its patented manufacturing process to provide ultimate strength & durability performance.

To conclude this BM-30A turret milling machine may be small in structure but holds its own when put to the test to perform its duties to produce quality precise parts.

### Features

— 3-Axis digital readout counter fitted with 2-Axis X & Y scales only

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- 3HP 240V motor, 8-speeds V-belt drive system
- NT30 Spindle taper with a chrome & ground quill
- Hardened & ground work table & slide-ways
- Turcite B coated X & Y-Axis slide-ways reduces friction for smooth operation
- 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
- Align CE-300S X-Axis power-feed with adjustable micro switch feed stops
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.015, 0.04, 0.08mm/rev
- Automatic cut off depth stop on quill
- Oil lubrication pump and reservoir
- Slideway covers Y & Z-Axis
- Mill head tilts to  $\pm 45^\circ$  forward and back
- Mill head tilts to  $\pm 90^\circ$  left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

### Includes

- 3-Axis digital readout counter fitted with 2-Axis X & Y scales only
- One-shot oil lubrication pump and reservoir
- Drawbar M12 thread
- Coolant system
- Slideway covers
- X-Axis power-feed
- Halogen light
- Machine vice (150mm)
- Clamp kit
- Safety cutter guard
- Swarf tray

### Specific Features



Left View



Control Panel



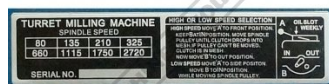
3 Axis Digital Readout System



Head Controls



Spindle Brake Lever



Speed Chart



Quill Feed Depth Stop



Safety Chuck Guard



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Head Left Side View



Quill Feed Engagement Lever



Spindle Forward Reverse Switch



Feed Range Selector



Head Right Side View



Halogen Worklight and Coolant Hose



Table Feed Limit Switches



X Axis Power Feed with Rapid



X Axis Dial



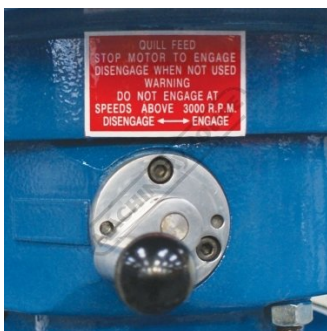
Y Axis Handle



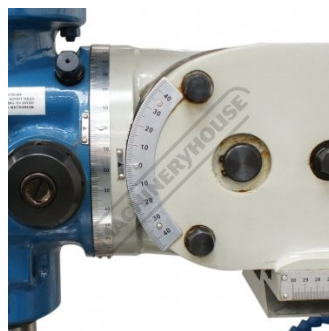
Knee Feed Handle



Lubrication Pump



Feed Engage Disengage Drive



Universal Tilting and Rotating Head



Adjustable Swivel & Sliding Ram



Tail Lug Spigot Supports Slotting Head

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Includes 150mm Machine Vice

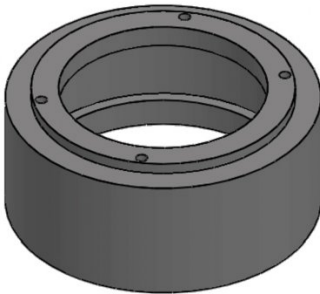


Includes Clamp Kit

**Recommended Accessories**

**M223**

Riser Spacer - Suits Turret Milling Machines



**C091**

Clamp Kit 58 piece - Workshop 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



**M197**

Boring Head Shank





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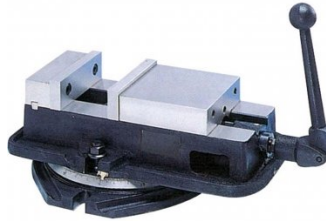
**M181**  
Boring Bar Set - 12 piece



**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-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



**C280**  
3 Jaw Self Centring Lathe Chuck



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**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



**M542**  
Face Mill Arbor



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M544  
Face Mill Arbor



M545  
Face Mill Arbor



M247  
Air Power Drawbar



M2295  
Power Feed Unit



M229  
Power Feed Unit



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



S075  
Cutting Tool Lubricant Paste - 200g



S074  
Cutting Tool Lubricant Paste - 500g





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L300  
 Magnetic Swarf Remover



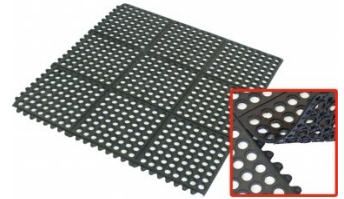
M9991  
 Magnetic Floor Sweeper



M800  
 Rubber Mat - Anti-Fatigue



M805  
 Rubber Mat - Anti-Fatigue



O000  
 SpillFix Universal Organic Absorbent



O000A  
 Natural Zeolite Absorbent



O043  
 Rust & Corrosion Preventive - Penetrant & Lubrication



O042  
 General Purpose Lubricant & Corrosion Inhibitor



O040  
 Rust & Corrosion Preventive - Penetrant & Lubrication



O044  
 Rust & Corrosion Preventive - Penetrant & Lubrication

