

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

On Sale

Ex GST

Inc GST

\$15,176.00

\$17,452.40

\$13,900.00

\$15,985.00



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

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produce quality precise parts.

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
- 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

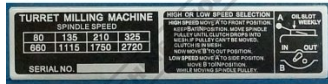


Head Controls

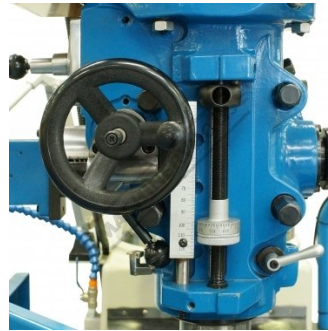
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Spindle Brake Lever



Speed Chart



Quill Feed Depth Stop



Safety Chuck Guard



Head Left Side View



Quill Feed Engagement Lever



Spindle Forward Reverse Switch



Feed Range Selector



Head Right Side View



Halogen Worklight and Coolant Hose

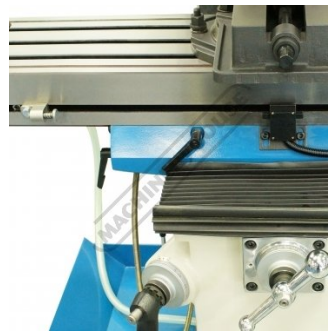


Table Feed Limit Switches



X Axis Power Feed with Rapid



X Axis Dial



Y Axis Handle



Knee Feed Handle



Lubrication Pump

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Feed Engage Disengage Drive



Universal Tilting and Rotating Head



Adjustable Swivel & Sliding Ram



Tail Lug Spigot Supports Slotting Head



Includes 150mm Machine Vice

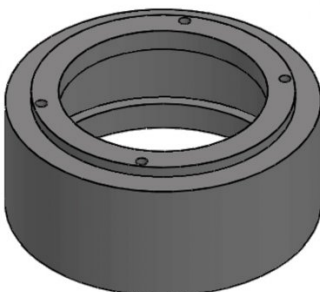


Includes Clamp Kit

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



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



M184
Precision Boring Head



M185
Precision Universal Facing & Boring Head



M197
Boring Head Shank



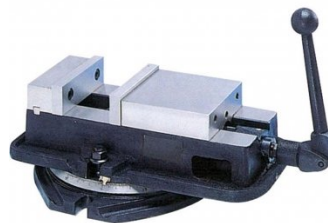
M181
Boring Bar Set - 12 piece



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



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R008
Vertex Rotary Table



R010
Vertex Rotary Table



D001
Vertex Dividing Head - Semi Universal



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

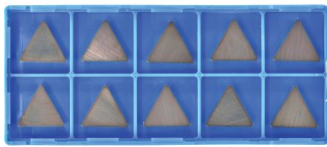


L065
KYOCERA Carbide Inserts - Milling



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L066
KYOCERA Carbide Inserts -
Milling



L059
Carbide Inserts - Milling



M540
Face Mill Arbor



M542
Face Mill Arbor



M544
Face Mill Arbor



M545
Face Mill Arbor



M2295
Power Feed Unit



M229
Power Feed Unit



S090A
Soluble Metal Cutting Fluid - 1
Litre



S090
Soluble Metal Cutting Fluid - 5
Litres



S076
Cutting Tool Lubricant Fluid -
500ml



S074
Cutting Tool Lubricant Paste -
500g



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L300
Magnetic Swarf Remover



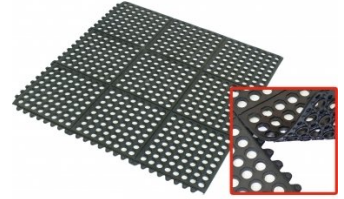
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive -
Penetrant & Lubrication



O042
General Purpose Lubricant &
Corrosion Inhibitor



O044
Rust & Corrosion Preventive -
Penetrant & Lubrication

