

Product Brochure For M603D

Industrial Turret Milling Machine - BM-30A

Table Travel: (X) - 760mm (Y) - 360mm (Z) - 430mm

Includes Digital Readout System, Vice & Clamp Kit

On Sale

Ex GST	Inc GST
\$14,450.00	\$15,895.00
\$13,750.00	\$15,125.00



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
- Low voltage LED work light
- 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
- LED Work light
- Machine vice (150mm)
- Clamp kit
- Safety cutter guard
- Swarf tray

Specific Features



Left View



Control Panel



3 Axis Digital Readout System

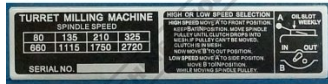


Head Controls

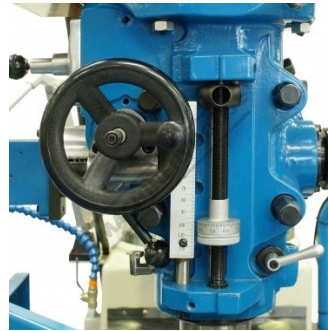
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Spindle Brake Lever



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



LED Work Light and Coolant Hose

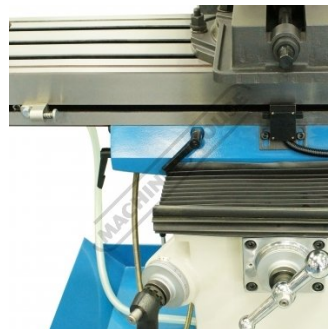


Table Feed Limit Switches



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



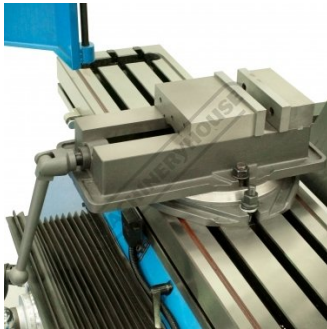
Universal Tilting and Rotating Head



Adjustable Swivel & Sliding Ram



Tail Lug Spigot Supports Slotting Head



Includes 150mm Machine Vice

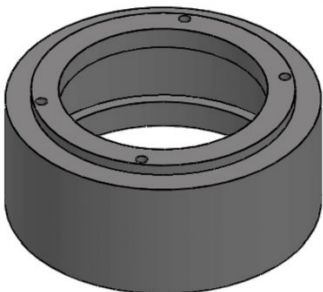


Includes Clamp Kit

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



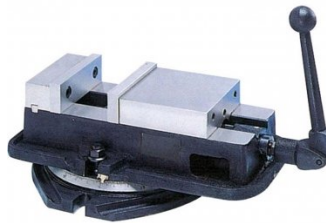
M181
 Boring Bar Set - 12 piece



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



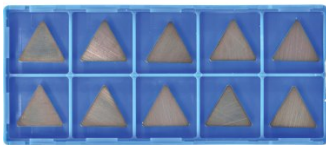
L065

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



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



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S077
 Drilling, Tapping & Cutting Tool
 Lubricant Spray - 400g



S075
 Cutting Tool Lubricant Paste -
 200g



S074
 Cutting Tool Lubricant Paste -
 500g



L300
 Magnetic Swarf Remover



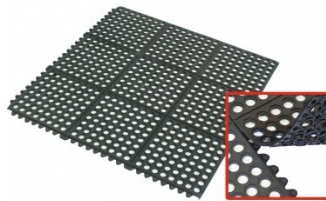
M9991
 Magnetic Floor Sweeper



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

