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Product Brochure For M604D

Industrial Turret Milling Machine - BM-30

Table Travel: (X) - 760mm (Y) - 360mm (Z) - 430mm
Includes Digital Readout System



ORDER CODE:	M604D
MODEL:	BM-30
Digital Readout:	2-Axis Digital Readout
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):	±90º
Tilting Head (Forward ~ Back):	±45º
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):	16 (80 - 5440)
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):	415
Nett Weight (kg):	1100

Description

Manufactured in Taiwan

Features

- 2 Axis digital readout fitted
- 3HP 415V motor, 16-speeds
- 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
  Coolant system, halogen light, 150mm machine vice & swarf tray

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- 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 ±45º forward and back
- Mill head tilts to ±90º left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

- 2 Axis digital readout fitted
- 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



2 Axis Digital Readout System



Control Panel



Spindle Brake



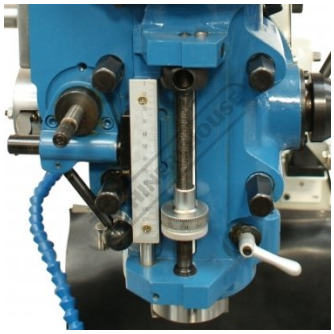
Speed Chart



Head Controls


Head Side View


Head Side View


Quill Feed Depth Stop

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Quill Feed Engagement Lever



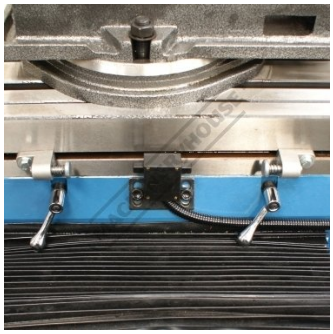
Feed Engage Disengage Drive



Feed Range Selector


Universal Tilting and Rotating Head


Adjustable Swivel and Sliding Ram


Table Feed Limit Switches


X Axis Power Feed with Rapid

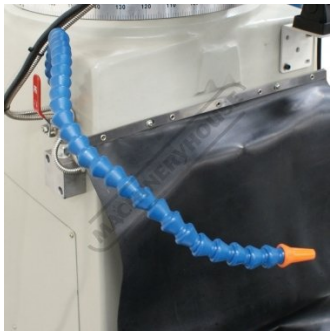

Lubrication Pump


Table Handle


Concertina Slide Way Cover


Slide covers


Halogen Light


Coolant Nozzel


Knee Feed Handle


Tail Lug Spigot Supports Slotting Head

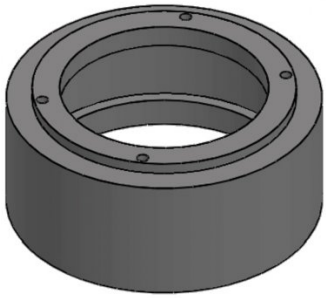
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Recommended Accessories

M223
Riser Spacer - Suits Turret Milling Machines



A358
Sky Hook Lifting Device



A358A
Chuck Hook



L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper



M184
Precision Boring Head



M197
Boring Head Shank



C290
Heavy Duty Drill Chuck - Keyed Type



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C292
Industrial Drill Chuck - Keyless Type



C294
Industrial Drill Chuck - Keyless Type



D451
NT30 x JT3 Drill Chuck Arbor



D450
NT30 x JT6 Drill Chuck Arbor - M12 Threaded Shank



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



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



C928
Collet & Chuck Set - 20 Piece



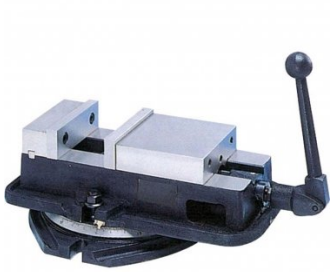
V105
Vertex K-Type Milling Vice



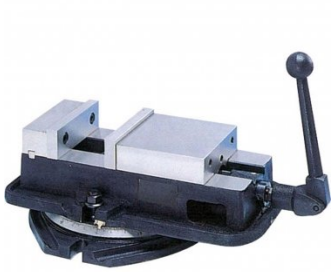
V106
Vertex K-Type Milling Vice



V305
Vertex Anglock Machine Vice



V306
Vertex Anglock Machine Vice



R008
Vertex Rotary Table



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R010
Vertex Rotary Table



D001
Vertex Dividing Head - Semi Universal



D002
Vertex Dividing Head - Semi Universal



R002
Vertex Super Indexing Head



C280
3 Jaw Self Centring Lathe Chuck



C2806
3 Jaw Self Centring Lathe Chuck



M247
Air Power Drawbar



M2295
Power Feed Unit



M229
Power Feed Unit



L065
KYOCERA Carbide Inserts - Milling



M510
Face Mill 90º - Positive Rake



M512
Face Mill 90º - Positive Rake



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Product Brochure For M604D

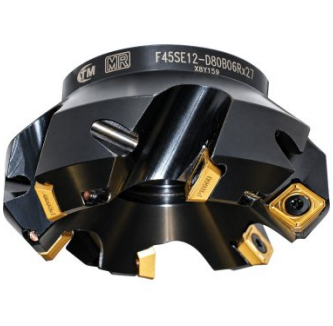
M503
Face Mill 90º - Positive Rake



M515
Face Mill 45º - Super High-Rake



M517
Face Mill 45º - Super High-Rake



M518
Face Mill 45º - Super High-Rake



M540
Face Mill Arbor



M542
Face Mill Arbor



M544
Face Mill Arbor



M545
Face Mill Arbor



L066
KYOCERA Carbide Inserts - Milling



M252
Parallel Set - 18 Piece



M250
Parallel Set - 8 Piece



M519
End Mill - Ø12mm



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Product Brochure For M604D

M520
End Mill - Ø16mm



M521
End Mill - Ø20mm



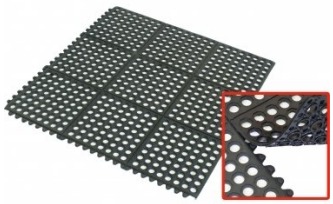
L059
Carbide Inserts - Milling



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



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



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



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Product Brochure For M604D

O044

Rust & Corrosion Preventive

