

Product Brochure For K8745

BM-40V Turret Milling Machine with Digital Readout - Includes Tooling Package - QLD Schools / TAFE

(X) 860mm (Y) 360mm (Z) 430mm

QLD Contract Item No. 12.4



ORDER CODE:	K8745
NSW DOE Item No.:	~
QLD DOE Item No.:	12.4
MODEL:	Schools / TAFE BM-40V & with Digital Readout
Digital Readout:	3-Axis DRO
Drilling Capacity (mm):	38
End Milling Capacity (mm):	32
Face Milling Capacity (mm):	125
Spindle Taper:	NT30
Quill Travel / Diameter (mm):	127 / 86
Spindle to Table (mm):	505
Type of Slides:	Dovetail
Spindle to Column (mm):	735
Table Size (mm):	1370 x 254
T-Slot (mm):	5/8"
Longitudinal Travel (X-Axis) (mm):	860
Cross Travel (Y-Axis) (mm):	360
Vertical Travel (Z-Axis) (mm):	425
Work Table Load Capacity (kg):	300
Swivel Head (Left - Right):	±90°
Quill Feed Rate/Rev (mm/rev):	0.015, 0.04, 0.08
Spindle Speeds (Vertical) (No. / rpm):	Variable (70-3500rpm)
Spindle Speeds (Horizontal) (No. / rpm):	~
Motor Power (Vertical) (kW / hp):	2.2 / 3
Motor Power (Horizontal) (kW / hp):	~
Motor Voltage (V / amp):	415
Nett Weight (kg):	1300

Description

Manufactured in Taiwan

Features

- 3 Axis digital readout fitted
- 3HP 415V motor, dial variable speed system (BM-40V)
- 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 AL-500S X-Axis power-feed with adjustable micro switch feed stops
- Coolant system, halogen light, 150mm machine vice & swarf tray
- 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
- Slide-way covers Y & Z-Axis
- Head tilts $\pm 45^\circ$ forward and back
- Head swivels $\pm 90^\circ$ left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Tool box and manual

Includes

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- 3-Axis digital readout fitted
- One-shot oil lubrication pump and reservoir
- Drawbar M12 thread
- Coolant system
- Slide-way covers
- X-Axis power-feed
- Halogen light
- Safety cutter guard
- Swarf tray
- 150mm Machine Vice
- 5/8" Clamp Kit
- 75mm Face Mill Cutter (M512)
- NT30 x 27mm Face Mill Arbor (M542)
- Pkt of 10 Milling Inserts (L066)
- NT30 x 6 Piece Collet Chuck Set (C9245)
- 6-20mm Metric End Mill & Slot Drill Set (M330)
- 10mm T Slot Cutter (M3280)
- 12mm T Slot Cutter (M3281)
- 16mm Keyless Drill Chuck (C294)
- NT30 Drill Chuck Arbor (D451)
- 128mm- BS-1 Dividing Head (D002)
- 150mm 3 Jaw Lathe Chuck (C203)

Specific Features



Variable Speed Head 70 3500rpm



Hi Low Spindle Speed Range Selector



Spindle Brake



3 Axis Digital Readout System



Control Panel



Forward Reverse Switch



Halogen Light



Coolant Nozzel

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Quill Feed Depth Stop



Quill Feed Engagement Lever



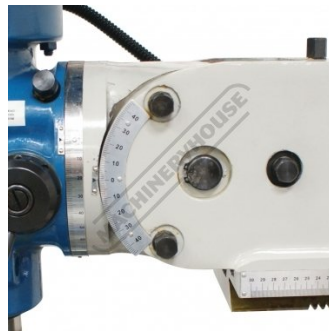
Feed Engage Disengage Drive



Feed Selector



Lubrication Pump



Universal Tilting and Rotating Head



Adjustable Swivel and Sliding Ram



Tail Lug Spigot Supports Slotting Head



Concertina Slide Way Cover

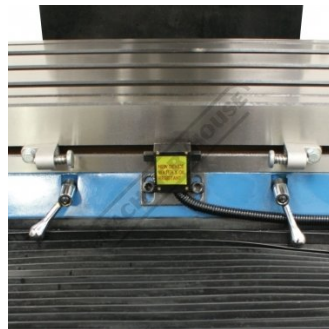


Table Feed Limit Switches



X Axis Power Feed with Rapid



Knee Feed Handle



Cross Feed Handle



Head Side View



Safety Quill Guard



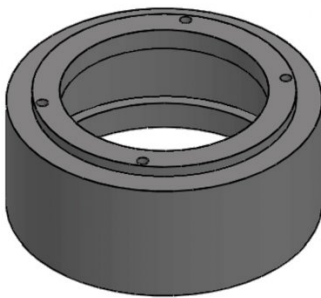
Head Controls

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Recommended Accessories

M224

Riser Spacer - Suits Turret
Milling Machines



M225

Precision Slotting Head
Attachment



M184

Precision Boring Head



M197

Boring Head Shank



C290

Heavy Duty Drill Chuck - Keyed
Type



C292

Industrial Drill Chuck - Keyless
Type



C294

Industrial Drill Chuck - Keyless
Type



D451

NT30 x JT3 Drill Chuck Arbor



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D450

NT30 x JT6 Drill Chuck Arbor -
M12 Threaded Shank



M333

Metric HSS Slot Drill & End Mill
Set - 12 Piece



M335

Imperial HSS Slot Drill & End
Mill Set - 12 Piece



C928

Collet & Chuck Set - 20 Piece



V105

Vertex K-Type Milling Vice



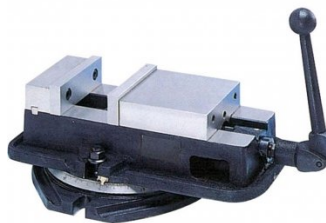
V106

Vertex K-Type Milling Vice



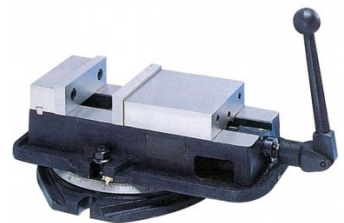
V305

Vertex Anglock Machine Vice



V306

Vertex Anglock Machine Vice



R008

Vertex Rotary Table



R010

Vertex Rotary Table



D001

Vertex Dividing Head - Semi
Universal



D002

Vertex Dividing Head - Semi
Universal



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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 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



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M518

Face Mill 45° - 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



M520

End Mill - Ø16mm



M521

End Mill - Ø20mm



L059

Carbide Inserts - Milling

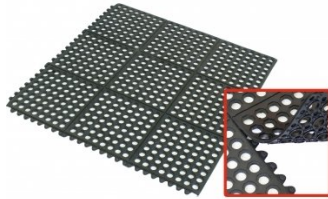


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M800
Rubber Mat - Anti-Fatigue



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



S075
Cutting Tool Lubricant Paste -
200g



S074
Cutting Tool Lubricant Paste -
500g



O000
SpillFix Universal Organic
Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant &
Corrosion Inhibitor



O040
Rust & Corrosion Preventive



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O044

Rust & Corrosion Preventive

