Auckland: (09) 2717 234
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Product Brochure For M630D

Industrial Turret Milling Machine - BM-70VE

Table Travel: (X) - 1050mm (Y) - 420mm (Z) - 400mm

Includes Digital Readout System, Inverter Variable Spindle Speed & Inverter X & Y-Axis Feed Motors

Ex GST	Inc GST
$31,000.00	$35,650.00



ORDER CODE:	M630D
MODEL:	BM-70VE
Digital Readout:	3-Axis Digital Readout
Type:	Vertical
Table Size (mm):	1500 x 305
Column Type:	~
Spindle Taper - Vertical:	NT40
Spindle Taper - Horizontal:	~
Longitudinal Travel (X-Axis) (mm):	1050
Cross Travel (Y-Axis) (mm):	420
Vertical Travel (Z-Axis) (mm):	400
Type of Slides:	Dovetail (X), Square (Y & Z)
Ram Travel (mm):	485
Spindle to Table (mm):	460
Spindle to Base:	~
Spindle Travel / Diameter (mm):	155 / 105
Throat Depth (max.) (mm):	750
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):	0.04 / 0.08 / 0.13
Power Feed - Longitudinal (X-Axis) (mm/min):	30 - 3000
Power Feed - Cross (Y-Axis) (mm/min):	30 - 3000
Power Feed - Vertical (Z-Axis) (mm/min):	Rapid
Table T-Slot Size (inch / mm):	5/8
Work Table Load Capacity (kg):	500
Spindle Speeds Vertical (No./ rpm):	Inverter (70 - 4200)
Spindle Speeds Horizontal (No./ rpm):	~
Spindle Speeds - Universal Head:	~
Motor Power - Vertical Spindle (kW / hp):	3.75 / 5
Motor Power - Horizontal Spindle (kW / hp):	~
Motor Power - Universal Head:	~
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	1800

Description

The BM-70VE Industrial turret milling machine is manufactured in Taiwan to a strict precision engineering ultra-high tolerance & superior excellence to cope with many jobs from small to big that is set out by the professional machinist, and importantly to deliver many years of valuable & reliable service.

This heavy-duty solid milling machine has a generous scope in all X, Y & Z travels, X-axis 1050mm, Y-axis 420mm & Z-axis 400mm. What separates this BM-70VE turret milling machine from all the others on the market is the large 1500 x 305mm table has a very long table base support and will accept a heavy table weight of 500kg. furthermore, it is complimented with square slide-ways for the Y & Z-axis which relates to more surface area resulting in outstanding rigidity and performance when taking heavy cuts.

This milling machine package is also complete with a few of the most desirable features for example, 5hp motor driving the NT40 spindle taper, Inverter controller X & Y axis feeds, Z-axis powered elevating motor, pneumatic operated draw bar to easily & quickly change tool holders with a push of a button and automatic operated oil pump to keep slides in perfect working order.

The BM-70VE machine also includes features like, electronic variable spindle speed with a digital readout display, 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 and a 3-axis digital readout system fitted.

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Another reliable feature in this range of precision milling machines is the manufacturing process of the main body & supports, it is made up form 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-70VE heavy-duty industrial turret milling machine is that this model can withstand the heavy metal removal cuts, and when its put to the test it certainly performs its duties with absolutely no hesitation.

Features

- 3 Axis digital readout fitted
- 5HP 415V motor, inverter control variable speed system with automatic spindle brake (BM-70VE)
- Inverter controlled feed motors on X & Y-Axis
- High quality spindle speed control with digital readout
- NT40 Spindle taper with a 105mm chrome & ground quill
- Digital spindle speed readout
- Hardened & ground work table & slide-ways
- Square construction slides for X & Z axis to maximise rigidity
- Turcite B coated X & Y-Axis slide-ways reduces friction for smooth operation
- Pneumatic operation drawbar system for quick and effortless tool change
- Powered elevating motor for Z-Axis
- 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
- Micro switch on the manual knee handle for additional operator safety
- Metric dial graduations @ 0.02mm for X , Y & Z-Axis
- Automatic quill feed 0.04, 0.08, 0.13mm/rev
- Automatic cut off depth stop on quill
- Automatic oil lubrication pump and reservoir
- Slide-way 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
- Low voltage LED work light
- Tool box and manual

Includes

- 3 Axis digital readout fitted
- Automatic oil lubrication pump and reservoir
- Pneumatic drawbar system M16 thread
- Coolant system
- Slideway covers
- Z-Axis powered elevating motor
- X & Y-Axis inverter controlled power-feed
- LED Work light
- Safety cutter guard
- Swarf tray
- Drawbar M16 thread

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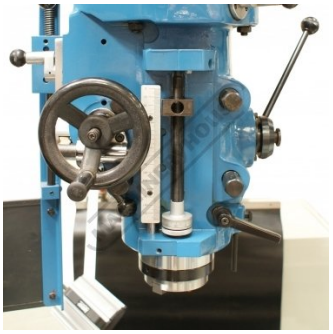
Product Brochure For M630D

Specific Features


Controller



3 Axis Digital Readout


Quill Feed Depth Stop


Mill Head Right View


Universal Tilting and Rotating Head


Front View


Extra Wide Saddle Support


Micro Switch on Knee Handle



Feed Selector


Quill Feed Mechanism


Automatic oil lubrication pump and reservoir


Adjustable Swivel & Sliding Ram


Heavy Duty X Axis Feed Motor


Cross Feed Handle


Pneumatic Drawbar


Head Controls

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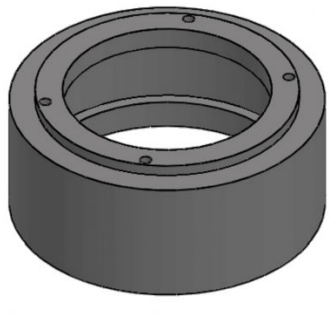


Head Left Side View

Recommended Accessories

M223

Riser Spacer - Suits Turret Milling Machines



C091

Clamp Kit 58 piece - Workshop Series



C966

Collet & Chuck Set - 25 Piece



M3301

Metric HSS Slot Drill & End Mill Set - 10 Piece



M3321

Imperial HSS Slot Drill & End Mill Set - 10 Piece



V306

Vertex Anglock Machine Vice



M184

Precision Boring Head



M185

Precision Universal Facing & Boring Head



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Product Brochure For M630D

M197A
Boring Head Shank



M181
Boring Bar Set - 12 piece



M181A
Boring Bar Set - 4 piece



C294
Industrial Drill Chuck - Keyless Type



D448
NT40 x JT3 Drill Chuck Arbor - M16 Threaded Shank



M252
Parallel Set - 18 Piece



R008
Vertex Rotary Table



R010
Vertex Rotary Table



D002
Vertex Dividing Head - Semi Universal



C2806
3 Jaw Self Centring Lathe Chuck



R002
Vertex Super Indexing Head



M512
Face Mill 90º - Positive Rake



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Product Brochure For M630D

M503
Face Mill 90º - Positive Rake



M517
Face Mill 45º - Super High-Rake



M518
Face Mill 45º - Super High-Rake



L065
KYOCERA Carbide Inserts - Milling



L066
KYOCERA Carbide Inserts - Milling



M552
Face Mill Arbor



M554
Face Mill Arbor



M555
Face Mill Arbor



M250
Parallel Set - 8 Piece



L059
Carbide Inserts - Milling



S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



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Product Brochure For M630D

S076
Cutting Tool Lubricant Fluid - 500ml



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



S074
Cutting Tool Lubricant Paste - 500g



M229
Power Feed Unit



M2295
Power Feed Unit



L300
Magnetic Swarf Remover



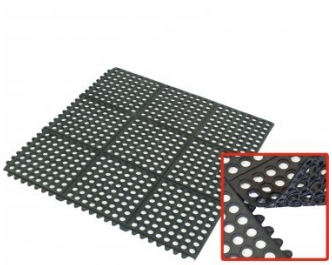
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O044
Rust & Corrosion Preventive

