



Dealers for
High Precision
Imported Tool Room
Machines & Accessories

VTMTM
ENTERPRISES





COMPANY PROFILE



SOME OF OUR PRODUCTS :



New machine dealerships of imported brands such as FIRST, BEMATO, MATCHLING

TAIWAN MAKE

- FIRST Brand : VMC, Drills and Tap Centre, Double Column Machine, DRO Milling machine.
- BEMATO Brand : Complete Product Range of CNC and DRO Milling Machine and Accessories Industry.
- MATCHLING Brand : Complete Product Range of CNC and Conventional Machine Tools Accessories.
- VTM Brand : High Precision Machine, Milling Machine, Surface Grinding, Cylindrical Grinding, Bandsaw Cutting Machine, Radial Drilling, Conventional Lathe, CNC Lathe, VMC and Machine Accessories.
- Service Support : Well Trained Service Team in All Range of Products.



LC 1 ½ VS/TM

Vertical Milling Machine

SPINDLE UNIT

- R8, NST30, NST40 are available.
- Made from one piece of Ni-Cr alloy steel.
- Supported by two precision angular contact and one ball bearing to ensure rigidity.
- Inner taper was hardened and precision grounded.

MILLING HEAD GEAR AND QUILL

- Harden and ground spindle, quiet and smooth, free of noise and vibration.
- Use dynamically balanced pulleys and precision bearings.
- 2HP to 3HP spindle motor are available.
- Spindle back gear running in grease packed housing ensure fatigue strength and low noise.
- Chrome coated and mirror ground finished quill.



MACHINE SPECIFICATION

MODEL	LC-1 1/2 VS	LC-1 1/2 TM
Travel		
Longitudinal Travel	762 mm (30") / Opt: 966 mm (38")	
Cross travel	305 mm (12")	
Vertical travel	406 mm (16")	
Table		
Working surface	1,067 mm X 230 mm (42" X 9") / Opt: 1,270mm (50")	
Working surface to ground A01	820 ~ 1,226 mm (32.3 ~ 48.3")	
Max. load	200 Kg	
T-slots (no. x width x pitch)	3 X 15.875 mm X 63.5 mm (3 X 0.625" X 2.5")	
Machine size		
Length A02	1,600 ~ 1,905 mm (63 ~ 75")	
Width A03	1,467 mm (57.8")	
Height A04	2,100 mm (82.7")	2,000 mm (78.7")
Weight	1,010 kgs (2,222 lbs)	
Coolant pump	O	
Vertical spindle		
Milling head	VS	TM
Quill swivel (R&L/90°) B01	V	V
Quill swivel (F&B) B02	+45° ~ -38°	±45°
Spindle nose to working surface B03	0 ~ 469 mm (0 ~ 18.5")	
Spindle centerline to column B04	171 ~ 476 mm (6.75" ~ 18.75")	
Overarm travel B05	305 mm (12")	
Overarm swivel	360°	



LC 185 B

Vertical Milling Machine

SPINDLE UNIT

- R8, NST30, NST40 are available.
- Made from one piece of Ni-Cr alloy steel.
- Supported by two precision angular contact and one ball bearing to ensure rigidity.
- Inner taper was hardened and precision grounded.
- Inner taper runout keeps within 0.002mm.

MILLING HEAD GEAR AND QUILL

- Harden and ground spindle, quiet and smooth, free of noise and vibration.
- Use dynamically balanced pulleys and precision bearings.
- 2HP to 3HP spindle motor are available.
- Spindle back gear running in grease packed housing ensure fatigue strength and low noise.
- Chrome coated and mirror ground finished quill.



ADJUSTABLE BACKLASH NUT

- Unique double nuts and backlash adjusting design, contact face enlarged ensuring accuracy over term and easy for backlash adjustment.

MACHINE SPECIFICATION

Machine Type	LC-185 VS-B	LC-185 TM-B	LC-185 VSX-B	LC-185 VN-B	LC-185 TMX-B	
Travel						
Longitudinal Travel	790 mm (31") / Opt: 890 mm (35"); 990 mm (39")					
Cross Travel	415 mm (16.3")					
Vertical Travel	390 mm (15.3")					
Table						
Working Surface	1,270 mm X 254 mm (50" X 10")					
Working surface to ground A01	950 - 1,340 mm (37.4 - 52.8")					
Max. Loading	200 Kg					
T-Slot (no x width x pitch)	3 X 15,875 mm X 63.5 mm (3 X 0.625" X 2.5")					
Machine Size						
Length A02	no F&B head	1630~2020(64.2"~79.5")		1760~2230 mm(69.3"~87.8")		
	F&B head			1630~2100 mm(64.2"~82.7")		
Width A03	1,680 mm (66.1")					
Height A04	2200 (86.6")		2320 mm (91.3")		2305 mm (90.8")	
Weight	1,250 kgs (2,750 lbs)			1,300 kgs (2,860 lbs)		
Coolant pump	O					
Vertical Spindle						
Milling head	VS	TM	20 VS	20 VN	2G	
Head Swivel(R&L/90°) B01	V					
Head Swivel(F&B/45°)B02	V			O		
Spindle nose to Table B03	135-525 mm (5.31"-20.7")		165-570 mm (6.5"-22.4")		135-525 mm (5.3"-20.7")	
Spindle Centerline to Table surface B04	no F&B head	245-715 mm (9.6-28.1")		125~595 mm(4.9"~23.4")		185-655 mm (7.3"-75.8")
	F&B head			330~800 mm(13"~31.5")		390-860 mm (15.4"-33.9")
Overarm Travel B05	470 mm (18.5")					
Overarm Swivel	360°					

V700



Machine Specification

Travel	
X-Axis	700 mm (27.5")
Y-Axis	400 mm (15.7")
Z-Axis	550 mm (21.6") / 650 mm (25.5") (Option)
Table size	800 mm x 400 mm (31.5 ~15.7")
Type of tool shank	BT 40 / CAT 40 / DIN 69871A
Max. spindle speed	10000 rpm / 12000 or 15000 rpm (Option)
Spindle motor	7.5 / 11 kW
Tool storage capacity	24 T
Machine height	2770mm
Floor space	1900 x 2284 mm (74.8" x 89.92")
weight	3690kg (8133lbs)

MCV1000

Machine Specification

Travel	
X-Axis	1,020 mm (40.2")
Y-Axis	510 mm (20")
Z-Axis	510 mm (20")
Table size	1150 X 500 mm (45.3X19.7")
Type of tool shank	BT 40 / CAT 40 / DIN 69871A
Max. spindle speed	8,000 rpm / 10,000 (Op)
Spindle motor	11 / 15 kW
Tool storage capacity	24 Tools
Machine height	2,685 mm (105.7")
Floor space	3,630mm (142.9")(W) X 2,565 mm (101")(D)
weight	5,000 kgs (11000Lbs)



V2000



Machine Specification

Travel	
X-Axis	2050 mm (80.7")
Y-Axis	1150 mm (45.27")
Z-Axis	700 mm (27.55")
Table size	2200 mm x 1000 mm (86.61 x 39.37")
Type of tool shank	BT 40 / CAT 40 / DIN 69871A BT 50 / CAT 50 / DIN 69871A
Max. spindle speed	10000 rpm / 12000 or 15000 rpm (Op) 10000 rpm
Spindle motor	15 / 18.5KW 22 / 26KW
Tool storage capacity	3481 mm (137")
Machine height	30 / 40 or 60 T (Op) 90 or 120 T (Op) 32 / 40 or 60 T (Op) 90 or 120 T (Op)
Floor space	5865 x 3474 mm (230.9" x 136.7") 5865 x 3474 mm (230.9" x 136.7") 5865 x 3474 mm (230.9" x 136.7") 6865 x 3474 mm (270.2" x 136.7")
weight	19500 kgs(8845 Lbs) 22942 kgs(10406 Lbs) 22110 kgs(10029 Lbs) 23660 kgs(10732 Lbs)



BMT 2000 SY Step Speed . . .

Vertical Milling Machine



STANDARD ACCESSORIES

- Front & Rear Side
- Slide Guards
- Working Light
- Manual Oil Pumps
- Draw Bar
- Tool & Tool Box

OPTIONAL ACCESSORIES

- DRO
- E-Power Feed
- Coolant Pump
- Mechanic Power Feed
- Oil Pump
- Chip Tray
- Clamping Kit
- NT30 / NT40
- Milling Chucks
- R8 Chuck
- Vice
- Ball Screw

Slide Ways are Hardened & Precisely Ground.
X & Y Axis are Coated with Turcite - B

Machine Type	BMT 2000SY
Table Size	1370 x 254 x 90mm
X / Y / Z Travel - Manual	915 X 400 x 400mm
X / Y / Z Travel -Auto	740 X 380 X 430 mm
Table T-Slot (Width X No)	16mm x 3
Spindle Taper	R8 / ISO 30 / ISO 40 / (Opt) (Quill Dia : 85.7mm
Spindle Speed	8Steps / 16Step (opt)
50hz	70 -2310 rpm /70 - 4620 rpm (opt)
60hz	80 -2720 rpm /80 - 5440 rpm (opt)
Spindle Nose to Table Top	50 - 480mm
Spindle Center to Column Surface	140 - 660 mm
Quill Travel	127mm
Auto Quill Feeds (per revolution)	0.04 / 0.8 / 0.15 mm
Head Swiveling Angle	(R & L) 90" / (F & B) 45"
Overarm (ram) Travel	508mm
Horizontal Rotation of Ram	360"
Spindle Motor	3HP /5HP (opt)
Machine Size (L X W X H)	1710 X 2040 X 2180 mm
Net Weight (Approx)	1000Kg



BMT

Grinding Machine

BMT - 618A
SURFACE GRINDING
MACHINE (MANUAL)



Specification	BMT 618A	BMT820A
Table Size	150 X 457mm	200 x 500mm
Max. Table travel	180 X 485mm	230 X 530mm
Max.Grinding Surface W x L	150 X 450mm	200 X 500mm
Max. Distance from Spindle Center to table	410mm / 460mm (opt)	
Wheel Dimension	180 X 13 X 31.75mm	
Wheel Speed	3000rpm	
Spindle Motor	1.5HP	2HP

BMT - 618AD
SURFACE GRINDING
MACHINE (HYDRAULIC)



BMT 80400AHD
SURFACE GRINDING MACHINE



Specification	BMT80150AHD	BMT80200AHD	BHM80300AHD	BMT 80400AHD	BMT 100150AHD	BMT 100200AHD	BMT 100300AHD	BMT 100400AHD
Grinding Surface of Table	800 X 1500 mm	800 X 2000 mm	800 X 3000 mm	800 X 4000 mm	1000 X 1500 mm	1000 X 2000 mm	1000 X 3000 mm	1000 X 4000 mm
Max. Grinding Surface	800 X 1500 mm	800 X 2000 mm	800 X 3000 mm	800 X 4000 mm	1000 X 1500 mm	1000 X 2000 mm	1000 X 3000 mm	1000 X 4000 mm
Max. Distance From Spindle Center to Table	800 mm / 1000mm (opt)			700 mm/900mm (opt)	800 mm / 1000mm (opt)			700 mm/900mm (opt)
Wheel Speed	1450 rpm							
Wheel Dimension	405 X 50 X 127mm/405 X 75 X 127 mm(opt)			405 X 50 X 203 mm	405 X 50 X 127 mm / 405 X 75 X 127 mm (opt)			405 x 50 203 mm
Spindle Motor	10HP / 15 HP (opt)							

BMT 650UH
CYLINDRICAL GRINDING MACHINE



Specification	BMT650UH	BMT650UH1	BMT800UH	BMT800UH1
Max. Swing Diameter	300m	350mm	300mm	350mm
Distance Between	650mm		800mm	
Weight on Center	120kgs			
Wheel Size	355 X 38 x 127 mm			
Wheel Spindle Speed	1600rpm			
Wheel Motor	5HP			

BMT 12BNJ

Centre Less Grinding Machine



Specification	BMT 12BNJ / BMT12HJ /BMT12SJ
Standard work rest Diameter	1-25mm
Special Work rest Diameter	25-40mm
Grinding Wheel Size	305 X 150 X 120mm
Grinding Wheel Speed	1900RPM
Grinding Wheel Motor	7.5 HP

BMT 1440B

Lathe Machine



Specification	BMT1440E	BMT1440VE
Swing Over Bed	360mm	
Distance Between Center	1000mm	
Spindle Nose	D1-4	
Spindle Bore	40mm	
Spindle Motor	2HP / 1 PH	5HP
Spindle Speed	9 Steps, 82-2000 rpm	Variable, 36-2200rpm

BMT 1840 M

Lathe Machine



Specification	BMT1840M	BMT1860M	BMT1880M
Swing Over Bed	460mm		
Distance Between Center	1000mm	1500mm	2000mm
Spindle Nose	D1-6		
Spindle Bore	56mm		
Spindle Motor	7.5 HP		
Spindle Speed	18 Steps, 39-2800 rpm		

4E Turret Milling Machine



STANDARD ACCESSORIES

- Front & Rear Side
- Slide Guards
- Working Light
- Manual Oil Pumps
- Draw Bar
- Tool & Tool Box



OPTIONAL ACCESSORIES

- DRO
- E-Power Feed
- Coolant Pump
- M.c. Power Feed
- Oil Pump • Chip Tray
- Clamping Kit
- NT30 / NT40
- Milling Chucks
- R8 Chuck • Vice • Ball Screw



SUPPLIED WITH STANDARD ACCESSORIES :

- NT-40/3HP Spindle Taiwan parts Step Speed Milling Head
- X / Z Axis Dovetail way, Y axis Square Way
- 1370mm X 254mm X 90mm Working Table
- X/Y/Z Axis Travel : 1000 x 395 X 340mm • Working Light
- Technical Document • Tool and Toolbox • NT30 M12 x 1.75 draw Bar
- Way Cover • Manual Oil Pump • Add Turret Height to 460mm
- Square type Side Braking Head • RAL6011 Green Colour

MACHINE SPECIFICATION

Model	4E	5E	5EB
Table Size	1270mm X 254mm X 90mm	1370mm X 254mm 90mm	1370mm X 254mm 90mm
Travel			
Longitude (X)	880mm	1000mm	1000mm
Crossward (Y)	395mm	395mm	370mm
Vertical (Z)	340mm	340mm	360mm
Travel of Spindle Quill	127mm	127mm	127mm
Max Distance from the Spindle Nose to table	400mm	400/470mm	400/470mm
Spindle			
Rotation Speed (Step Speed Milling Head)	50HZrpm	66 - 4540	
Rotation Speed (Variable Speed Milling Head)	60HZrpm	80 - 5440	
Rotation Speed (Inverter Speed Milling Head)	50HZrpm	40 - 3125	
Rotation Speed (Variable Speed Milling Head)	60HZrpm	50 - 3750	
Rotation Speed (Inverter Speed Milling Head)	50HZrpm	0 - 4200	
Rotation Speed (Variable Speed Milling Head)	60HZrpm		
Taper	R8 (NT30)	R8 (NT30)	R8 (NT30)
Rated Power (HP)	3HP	3HP	3HP
Tilt Angle			
Forward and Backward	±45°	±45°	±45°
Left and Right	±90°	±90°	±90°

Surface Grinding Machine



STANDARD ACCESSORIES

- Front & Rear Side
- Slide Guards
- Working Light
- Tool & Tool Box

MACHINE SPECIFICATION

Table Size	150 X 457mm	200 x 500mm
Max. Table travel	180 X 485mm	230 X 530mm
Max.Grinding Surface W x L	150 X 450mm	200 X 500mm



MATCHLING
MACHINE TOOLS & ACCESSORIES

K Type Milling Vise



Hydraulic Vise



Tool Making Vise



Dividing Head



R8, NT30, NT40 Collat Chuck Kit



Keyless Drill Chuck



Boring Head Tool Kit





MATCHLING
MACHINE TOOLS & ACCESSORIES

Drill Re-Shaper



Drill & Mill End Grinder



Touch Point Sensor



Z-Zero Setter



Magnetic Kit



Clamping Kit





VTM ENTERPRISES



FIRST

BEMATO

 **MATCHLING**
MACHINE TOOLS & ACCESSORIES



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