



**BMT 2070VHS**



**BMT 2500U**



**BMT 3520**

**BEMATO®**

# MILLING MACHINE



**BMT 1500V**



**BMT 1100HU**

MILLING MACHINE

**BEMATO®**

STRIVING FOR SERVICE AND SATISFACTION

SINCE 1976

**BENIGN ENTERPRISE CO., LTD.**

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BEMATO 2018.11 003



STRIVING FOR SERVICE AND SATISFACTION





# Company Profile



**BENIGN ENTERPRISE Co., LTD.**

[www.e-bemato.com](http://www.e-bemato.com)

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**COMPANY NAME** : BENIGN ENTERPRISE CO., LTD.  
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**E-MAIL** : [service@e-bemato.com](mailto:service@e-bemato.com)  
**REGISTERED TRADEMARK** : BEMATO  
**COMPANY ESTABLISHED** : 1976  
**CAPITAL** : US\$2,000,000.00  
**EMPLOYEE** : 25 (Includes 4 QC inspectors)  
**GENERAL MANAGER** : MR. DAVID WU  
**MAIN ACTIVITY** : 1. EXPORT OF MACHINE TOOLS & ACCESSORIES. PNEUMATIC TOOLS, WOODWORKING MACHINES, AND OEM COMPONENTS.  
 2. PURCHASING AGENT FOR FOREIGN COMPANY.  
 3. SHIPMENTS CONSOLIDATION.  
**MAIN EXPORT MARKETS** : EUROPE 45%  
 NORTH AMERICA 30%  
 AUSTRALIA & N.Z. 7%  
 MIDDLE & SOUTH AMERICA 13%  
 ASIA 4%  
 SOUTH AFRICA 1%  
**MAIN EXPORT PRODUCTS** : \* LATHES (CNC & CONVENTIONAL)  
 \* MILLING MACHINES (CNC & CONVENTIONAL)  
 \* VERTICAL MACHINE CENTERS  
 \* GRINDING MACHINES (SURFACE, CYLINDRICAL, CENTERLESS, TOOL & CUTTER)  
 \* SAWING MACHINES (VERTICAL, HORIZONTAL)  
 \* DRILLING MACHINES (BENCH, FLOOR, RADIAL)  
 \* WOODWORKING MACHINES (DIY & INDUSTRIAL)  
 \* MACHINE TOOLS ACCESSORIES & PRECISION TOOLS  
 \* PNEUMATIC TOOLS  
 \* OEM COMPONENTS (STAMPING, PLASTIC INJECTION, ALUMINUM EXTRUSION, CASTINGS, ETC..)

- VERTICAL MILLING MACHINE P1~P54
- HORIZONTAL MILLING MACHINE P55~P60
- VERTICAL & HORIZONTAL MILLING MACHINE P61~P74
- UNIVERSAL MILLING MACHINE P75~P82

**BEMATO®**

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**VERTICAL  
MILLING MACHINE**

**P1~P54**





▲ BMT 626



▲ BMT 626I



▲ BMT 830



▲ BMT 830I



▲ BMT 830I2

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 626	BMT 626I
Table size	152 x 600 mm	
X / Y / Z travel - manual	370 x 150 x 325 mm	
Table T-slot (Width x No.)	9.5 mm x 3	
Spindle taper	R8 / MT3 (opt.) / ISO 30 (opt.)	
Spindle speed	9 speeds	Vari. speeds (inverter)
@ 50 Hz	230~2500 rpm	200~2250 rpm
Spindle to table surface	0~345 mm	
Quill travel	75 mm	
Head swiveling angle	(R & L) 90°	
Horizontal rotation of ram	360°	
Spindle motor	1 HP	
Machine packing size (L x W x H)	1020 x 1070 x 1480 mm	
Net weight (approx.)	260 kgs	
Gross weight (approx.)	360 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened & ground.
- X, Y & Z are dovetail ways.

**STANDARD ACCESSORIES**

- Forward & reverse switch with emergency stop
- One-shot oil lubrication
- Rubber cover on front & rear saddle
- Drawbar
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- ISO 30 & MT3 spindle
- Fold up safety handles
- Coolant system & chip tray
- Enclosed stand
- Quartz work lamp
- Digital readout
- CE standard

- Slideways are hardened & ground.
- X, Y & Z are dovetail ways.

**STANDARD ACCESSORIES**

- Forward & reverse switch with emergency stop
- One-shot oil lubrication
- Rubber cover on front & rear saddle
- Drawbar
- Enclosed stand
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- ISO 30 & MT3 spindle
- Fold up safety handles
- Coolant system & chip tray
- Quartz work lamp
- Digital readout
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 830	BMT 830I	BMT 830I2
Table size	205 x 760 mm		
X / Y / Z travel - manual	470 x 200 x 455 mm		470 x 200 x 460 mm
Table T-slot (Width x No.)	9.5 mm x 3		
Spindle taper	R8 / MT3 (opt.) / ISO 30 (opt.)		
Spindle speed	9 speeds	Vari. speeds (inverter)	
@ 50 Hz	230~3200 rpm	200~2250 rpm	
Spindle to table surface	57~510 mm	57~510 mm	62~520 mm
Quill travel	88.9 mm		
Head swiveling angle	(R & L) 90°		
Overarm (ram) travel	-		290 mm
Horizontal rotation of ram	360°		
Spindle motor	1.5 HP		
Machine packing size (L x W x H)	1120 x 1120 x 1940 mm		1120 x 1120 x 2120 mm
Net weight (approx.)	450 kgs		500 kgs
Gross weight (approx.)	545 kgs		600 kgs

\*Specifications are subject to change without prior notice.





**BMT 1250V**  
Variable speed



**BMT 1250S**  
Step speed



**BMT 1300VA**



**BMT 1300VS**

**SPECIFICATION:**

\*Machine shown with optional accessories

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.

**STANDARD ACCESSORIES**

- Arbor drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis gear type table power feed
- Z axis rapid up & down motor
- Horizontal milling attachment
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

Description	BMT 1250S	BMT 1250V
Table size	228 x 889 mm	
X / Y / Z travel - manual	610 x 300 x 380 mm	
X / Y / Z travel - auto	570 x 300 x 380 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	R8 / ISO 30 (Quill Dia: 85.7 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds
@ 50 Hz	70~2310 rpm / 70~4620 rpm	60~3600 rpm
@ 60 Hz	80~2720 rpm / 80~5440 rpm	70~4200 rpm
Spindle nose to table top	50~430 mm	
Spindle center to column surface	140~450 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	310 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP	
Machine size (L x W x H)	1330 x 1540 x 2010 mm	
Net weight (approx.)	650 kgs	

\*Specifications are subject to change without prior notice.

**SPECIFICATION:**

\*Machine shown with optional accessories

- Machine body is made from MEEHANITE casting.
- Slideways, top and bottom surfaces are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.

**STANDARD ACCESSORIES**

- X axis servo motor
- Auto lubrication system
- Splash guard
- Spindle downfeed depth indicator
- Tapping device
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Y axis table power feed
- Enlarged table size 300 x 1250 mm
- Table splash guard
- Magnetic scale
- MPG handwheel
- Coolant system & chip tray
- Halogen lamp
- CE standard

Description	BMT 1300VA	BMT 1300VS
Table size	260 x 1200 mm	
X / Y / Z travel - manual	680 x 370 x 400 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 65 mm	
Spindle taper	ISO 40 (Quill Dia: 110 mm)	
Spindle speed	16 steps	Vari. speeds (inverter)
@ 60 Hz	75~3600 rpm	60~3600 rpm
Spindle nose to table top	0~530 mm	
Spindle center to column surface	165~615 mm	
Quill travel	140 mm	
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	450 mm	
Spindle motor	3 HP	5 HP
Coolant pump motor	1/6 HP	
Machine size (L x W x H)	2400 x 1660 x 2410 mm	
Machine packing size (L x W x H)	1700 x 1750 x 2150 mm	
Net weight (approx.)	1720 kgs	1800 kgs
Gross weight (approx.)	1850 kgs	1950 kgs

\*Specifications are subject to change without prior notice.



**BMT 1350VH**



**BMT 1400VH**



**BMT 1500S**



**BMT1500V**



**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1350SH / 1350VH / 1350IH	BMT 1400SH / 1400VH / 1400IH
Table size	230 x 1067 mm	
X / Y / Z travel - manual	725 x 400 x 406 mm	680 x 355 x 406 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	R8 / ISO 30 (Quill Dia: 86 mm)	
Spindle speed	8 steps / Vari. speeds / Vari. speeds (inverter)	
@ 60 Hz	80~2720 rpm / 60~4200 rpm / 0~4200 rpm	
Spindle nose to table top	57~463 mm	80~466 mm
Spindle center to column surface	213~533 mm	140~450 mm
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	320 mm	460 mm
Horizontal rotation of ram	360°	
Spindle motor	3 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1600 x 1450 x 2100 mm	1680 x 1430 x 2200 mm
Machine packing size (L x W x H)	1450 x 1450 x 1900 mm	1600 x 1450 x 1900 mm
Net weight (approx.)	900 kgs	950 kgs

\*Specifications are subject to change without prior notice.

- Machine body is made from MEEHANITE casting.
- Slideways, top and bottom surfaces are hardened and precisely ground.
- X & Y axes are coated with turcite-B.
- Y & Z axes are square ways.

**STANDARD ACCESSORIES**

- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- Z axis rapid up & down motor
- ISO 40 spindle
- Coolant system & chip tray
- Electric box & control panel
- CE standard

- X & Y slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Hardened table

**STANDARD ACCESSORIES**

- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- Z axis hardened & ground
- Inverter driven vertical spindle
- Enlarged table size 228 x 1245 mm
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1500S	BMT 1500V
Table size	230 x 1067 mm	
X / Y / Z travel - manual	725 x 305 x 406 mm	
X / Y / Z travel - auto	640 x 305 x 406 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	R8 / ISO 30	
Spindle speed	8 steps	Vari. speeds
@ 50 Hz	67~2260 rpm	50~3500 rpm
@ 60 Hz	80~2720 rpm	60~4200 rpm
Spindle nose to table top	57~463 mm	
Spindle center to column surface	213~533 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L / F & B) 45°	
Overarm (ram) travel	320 mm	
Horizontal rotation of ram	360°	
Spindle motor	2 HP	3 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	1400 x 1450 x 2100 mm	
Machine packing size (L x W x H)	1448 x 1575 x 1956 mm	
Net weight (approx.)	900 kgs	
Gross weight (approx.)	1050kgs	

\*Specifications are subject to change without prior notice.



**BMT 1500SS**

**BMT1500VS**

**BMT 1500VY**  
Variable speed

**BMT 1500SY**  
Step speed

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1500SS	BMT 1500VS
Table size	230 x 1070 mm	
X / Y / Z travel - manual	680 x 305 x 405 mm	
X / Y / Z travel - auto	620 x 305 x 405 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	R8 / ISO 30 (Quill Dia: 85.7 mm)	
Spindle speed	8 steps	Vari. speeds
@ 60 Hz	80~2750 rpm	60~4200 rpm
Spindle nose to table top	43~468 mm	
Spindle center to column surface	180~500 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	300 mm	
Horizontal rotation of ram	360°	
Spindle motor	2 HP	3 HP
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	2610 x 1700 x 2200 mm	
Machine packing size (L x W x H)	1650 x 1400 x 1950 mm	
Net weight (approx.)	900 kgs	
Gross weight (approx.)	1100 kgs	

\*Specifications are subject to change without prior notice.

- X & Y slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Saddle and table are hardened and ground.
- Machine body is made from MEEHANITE casting.
- Hardened table

**STANDARD ACCESSORIES**

- Drawbar
- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y/Z axis table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Z axis hardened & ground
- Inverter driven vertical spindle
- Enlarged table size 228 x 1240 mm
- Electric box & control panel

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.

**STANDARD ACCESSORIES**

- Arbor drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis gear type table power feed
- Z axis rapid up & down motor
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1500SY	BMT 1500VY
Table size	228 x 1067 mm	
X / Y / Z travel - manual	700 x 330 x 410 mm	
X / Y / Z travel - auto	640 x 330 x 410 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	R8 / ISO 30 (Quill Dia: 85.7 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~460 mm	
Spindle center to column surface	160~490 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	350 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP	
Machine size (L x W x H)	1680 x 1710 x 2160 mm	
Net weight (approx.)	950 kgs	

\*Specifications are subject to change without prior notice.



## BMT 1500SSL



- Slideways are hardened, precisely ground, then coated with Turcite-B for maximum wear resistance.
- X, Y & Z axes are dovetail way.
- Quill material is made by SCM-440.
- Machine base, knee and table are made by MEEHANITE cast iron.
- Swing type control box provides increased convenience of operational control.

### STANDARD ACCESSORIES

- Inverter control with speed readout for BMT 1500EVL
- Control switch box w/ rotary arm
- Coolant system & chip tray
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Halogen lamp
- Tools & tool box

### OPTIONAL ACCESSORIES

- X/Y axis table power feed
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Digital readout
- LED lamp
- CE standard

### SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 1500SRL	BMT 1500SSL	BMT 1500VL	BMT 1500EVL
Table size	230 x 1245mm			
X / Y / Z travel - manual	730 x 315 x 405 mm			
Table T-slot (Width x No. x pitch)	16 mm x 3 x 64 mm			
Spindle taper	R8 / ISO 30 / ISO 40 (opt.) (Quill Dia: 86 mm)			
Spindle speed	16 steps	Vari. speeds		Vari. speeds (inverter)
@ 50 Hz	65~4550 rpm	50~3500 rpm	60~4000 rpm	
@ 60 Hz	80~5440 rpm	60~4200 rpm	60~4000 rpm	
Spindle nose to table top	52~460 mm			
Spindle center to column surface	213~440 mm			
Quill travel	127 mm			
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm			
Head swiveling angle	(R & L) 90° / (F & B) 45°			
Overarm (ram) travel	227 mm			
Horizontal rotation of ram	360°			
Spindle motor	3 HP			
Machine size (L x W x H)	1670 x 1600 x 2180 mm			
Net weight (approx.)	1000 kgs	1100 kgs		
Gross weight (approx.)	1150 kgs	1280 kgs		

\*Specifications are subject to change without prior notice.

## BMT 1540VA

Step speed



## BMT 1540VS

Variable speed

### SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 1540VA	BMT 1540VS
Table size	280 x 1250 mm	
X, Y & Z travel - manual	750 x 400 x 440 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 65 mm	
Spindle taper	ISO 40 (Quill Dia: 110 mm)	
Spindle speed	16 steps	Vari. speeds (inverter)
@ 60 Hz	75~3600 rpm	60~3600 rpm
Spindle nose to table top	0~530 mm	
Spindle center to column surface	165~615 mm	
Quill travel	140 mm	
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm	
Head swiveling angle	(R & L) 45° (opt.)	
Overarm (ram) travel	450 mm	
Spindle motor	3 HP	5 HP
Coolant pump motor	1/6 HP	
Machine size (L x W x H)	2400 x 1800 x 2410 mm	
Machine packing size (L x W x H)	1700 x 1850 x 2150 mm	
Net weight (approx.)	2480 kgs	2530 kgs
Gross weight (approx.)	2880 kgs	2930 kgs

\*Specifications are subject to change without prior notice.

- Machine body is made from MEEHANITE casting.
- Slideways, top and bottom surfaces are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.

### STANDARD ACCESSORIES

- X axis servo motor
- Auto lubrication system
- Splash guard
- Spindle downfeed depth indicator
- Tapping device
- Tools & tool box

### OPTIONAL ACCESSORIES

- Y axis table power feed
- Enlarged table size 300 x 1250 mm
- Table splash guard
- Magnetic scale
- MPG handwheel
- Coolant system & chip tray
- Halogen lamp
- CE standard



▲ BMT 1550VS



▲ BMT 1550VA



▲ BMT 2000S



▲ BMT 2000V



**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1550VA	BMT 1550VS
Table size	280 x 1250 mm	
X, Y & Z travel - manual	750 x 400 x 440 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 65 mm	
Spindle taper	ISO 40 (Quill Dia: 110 mm)	
Spindle speed	16 steps	Vari. speeds (inverter)
@ 60 Hz	75~3600 rpm	60~3600 rpm
Spindle nose to table top	0~530 mm	
Spindle center to column surface	170~580 mm	
Quill travel	140 mm	
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	410 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP	5 HP
Coolant pump motor	1/6 HP	
Machine size (L x W x H)	1935 x 1800 x 2410 mm	
Machine packing size (L x W x H)	1300 x 1850 x 2150 mm	
Net weight (approx.)	2380 kgs	2430 kgs
Gross weight (approx.)	2780 kgs	2830 kgs

\*Specifications are subject to change without prior notice.

- Machine body is made from MEEHANITE casting.
- Slideways, top and bottom surfaces are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.

**STANDARD ACCESSORIES**

- X axis servo motor
- Auto lubrication system
- Splash guard
- Spindle downfeed depth indicator
- Tapping device
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Y axis table power feed
- Enlarged table size 300 x 1250 mm
- Table splash guard
- Magnetic scale
- MPG handwheel
- Coolant system & chip tray
- Halogen lamp
- CE standard

- X & Y slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y axis is square way.
- Hardened table

**STANDARD ACCESSORIES**

- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Z axis hardened & ground
- Z axis servo motor
- Inverter driven vertical spindle
- Enlarged table size 254 x 1370 mm
- Enlarged table size 300 x 1470 mm
- Electric box & control panel
- Coolant system & chip tray
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2000S	BMT 2000V
Table size	254 x 1270 mm	
X / Y / Z travel - manual	775 x 400 x 406 mm	
X / Y / Z travel - auto	700 x 400 x 406 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	R8 / ISO 30 / ISO 40 (opt.)	
Spindle speed	8 steps	Vari. speeds
@ 50 Hz	67~2265 rpm	67~3165 rpm
@ 60 Hz	80~2720 rpm	80~3800 rpm
Spindle nose to table top	40~446 mm	
Spindle center to column surface	200~680 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L / F & B) 45°	
Overarm (ram) travel	480 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	1500 x 1500 x 2200 mm	
Machine packing size (L x W x H)	1524 x 1702 x 1956 mm	
Net weight (approx.)	1280 kgs	
Gross weight (approx.)	1350 kgs	

\*Specifications are subject to change without prior notice.





▲ BMT 2000VI

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2000VI
Table size	254 x 1270 mm
X / Y / Z travel - manual	775 x 400 x 406 mm
X / Y / Z travel - auto	700 x 400 x 406 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm
Spindle taper	ISO 40
Spindle speed	Vari. speeds (inverter)
@ 60 Hz	60~3600 rpm
Spindle nose to table top	40~406 mm
Spindle center to column surface	200~680 mm
Quill travel	127 mm
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm
Head swiveling angle	(R & L / F & B) 45°
Overarm (ram) travel	480 mm
Horizontal rotation of ram	360°
Spindle motor	5 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	1480 x 1500 x 2350 mm
Machine packing size (L x W x H)	1524 x 1702 x 1956 mm
Net weight (approx.)	1280 kgs
Gross weight (approx.)	1350 kgs

\*Specifications are subject to change without prior notice.

▲ BMT 2010IH



BMT 2010SH  
8-STEP  
SPEED HEAD

▲ BMT 2020SH



BMT 2020IH  
VARIABLE  
SPEED HEAD

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2010SH / 2010VH / 2010IH	BMT 2020SH / 2020VH / 2020IH
Table size	254 x 1270 mm	
X, Y & Z travel - manual	776 x 400 x 406 mm	776 x 400 x 420 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	R8 / ISO 30 (Quill Dia: 86 mm)	ISO 40 (Quill Dia: 100 mm)
Spindle speed	8 steps / Vari. speeds / Vari. speeds (inverter)	8 steps / Vari. speeds / Vari. speeds (inverter)
@ 60 Hz	80~2720 rpm / 60~4200 rpm / 0~4200 rpm	70~3600 rpm / 80~3800 rpm / 0~3600 rpm
Spindle nose to table top	40~466 mm	80~483 mm
Spindle center to column surface	200~680 mm	180~515 mm
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	480 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP	5 HP
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1750 x 1550 x 2200 mm	1750 x 1550 x 2350 mm
Machine packing size (L x W x H)	1500 x 1650 x 1980 mm	1720 x 1500 x 1900 mm
Net weight (approx.)	1350 kgs	1500 kgs

\*Specifications are subject to change without prior notice.

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.

**STANDARD ACCESSORIES**

- One-shot lubrication
- Rubber cover on front & rear saddle
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Z axis servo motor
- Coolant system & chip tray
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard

- Machine body is made from MEEHANITE casting.
- Slideways, top and bottom surfaces are hardened and precisely ground.
- X & Y axes are coated with turcite-B.
- Y & Z axes are square ways.

**STANDARD ACCESSORIES**

- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- Z axis rapid up & down motor
- ISO 40 spindle for BMT 2010SH / 2010VH / 2010IH
- Coolant system & chip tray
- Electric box & control panel
- CE standard



[ BED TYPE ]

▲ BMT 1050V



SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 1050V
Table size	254 x 1270 mm
X / Y / Z travel - manual	775 x 430 x 550 mm
X / Y / Z travel - auto	700 x 410 x 540 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm
Spindle taper	ISO 40
Spindle speed	Vari. speeds
@ 50 Hz	66~3165 rpm
@ 60 Hz	80~3800 rpm
Spindle nose to table top	155~695 mm
Spindle center to column surface	450 mm
Quill travel	127 mm
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm
Head swiveling angle	(R & L) 45°
Spindle motor	5 HP
Machine size (L x W x H)	1870 x 1485 x 2330 mm
Net weight (approx.)	2300 kgs
Gross weight (approx.)	2450 kgs

\*Specifications are subject to change without prior notice.

STANDARD ACCESSORIES

- X/Y axis leadscrew
- Z axis rapid up & down motor
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y axis table power feed
- Rear splash guard
- Air power drawbar
- Halogen lamp

▲ BMT 2000SS



▲ BMT 2000VS



- X & Y slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y axis is square way.
- Saddle and table are hardened and ground.
- Machine body is made from MEEHANITE casting.
- Hardened table

STANDARD ACCESSORIES

- Drawbar
- One-shot lubrication
- Leveling pads
- Rubber cover on front & rear saddle
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y/Z axis table power feed
- X/Y axis ball screw
- Z axis rapid up & down motor
- Z axis hardened & ground
- Inverter driven vertical spindle
- Enlarged table size 254 x 1370 mm
- Enlarged table size 300 x 1470 mm
- Electric box & control panel
- Coolant system & chip tray
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard

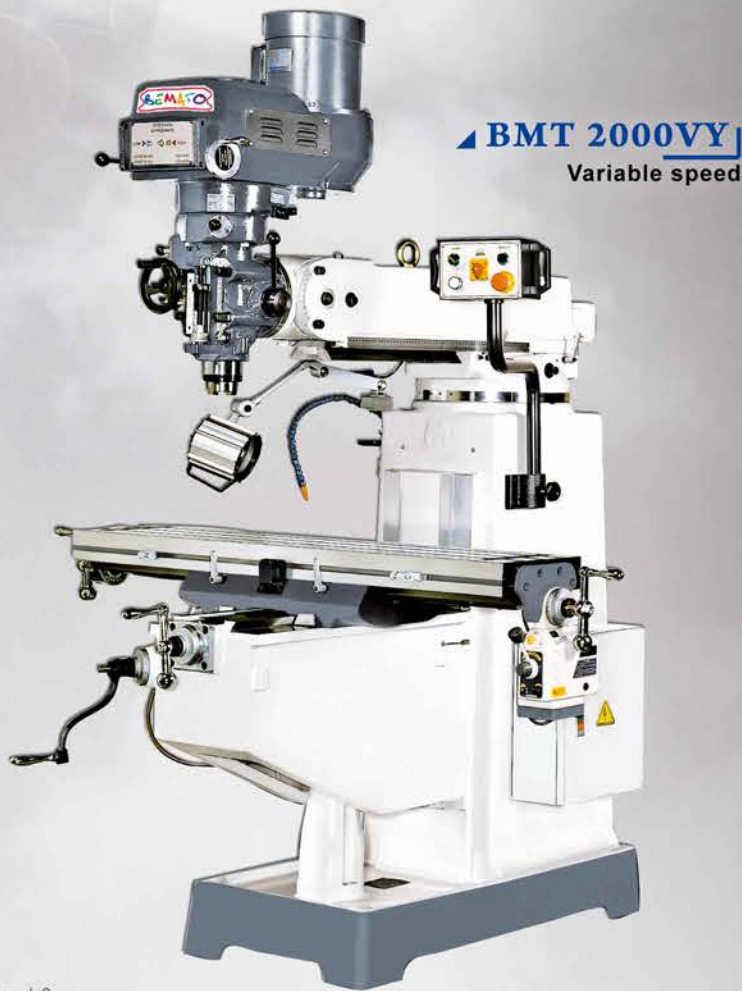
SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 2000SS	BMT 2000VS
Table size	254 x 1270 mm	
X / Y / Z travel - manual	910 x 406 x 406 mm	
X / Y / Z travel - auto	840 x 406 x 406 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	R8 / ISO 30 / ISO 40 (opt.)	
Spindle speed	8 steps	Vari. speeds
@ 60 Hz	80~2720 rpm	60~4200 rpm
Spindle nose to table top	43~468 mm	
Spindle center to column surface	180~500 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	550 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	2610 x 1700 x 2200 mm	
Machine packing size (L x W x H)	1800 x 1650 x 2000 mm	
Net weight (approx.)	1200 kgs	
Gross weight (approx.)	1400 kgs	

\*Specifications are subject to change without prior notice.





**BMT 2000VY**  
Variable speed



**BMT 2000SY**  
Step speed

**BMT 2000SSL**



**BMT 2000SRL**  
Step Speed-  
Round Head



**BMT 2000SSL**  
Step Speed-  
Square Head



**BMT 2000VL**  
Variable Speed



**BMT 2000EVL**  
Electronic  
Variable Speed

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.

**STANDARD ACCESSORIES**

- Drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Enlarged motor 5HP
- Enlarged table size 254 x 1370 mm
- Horizontal milling attachment
- Electric box & control panel
- Coolant system & chip tray
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2000SY	BMT 2000VY
Table size	254 x 1270 mm	
X / Y / Z travel - manual	800 x 380 x 430 mm	
X / Y / Z travel - auto	740 x 380 x 430 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	R8 / ISO 30 / ISO 40 (opt.) (Quill Dia: 85.7 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~480 mm	
Spindle center to column surface	140~660 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	508 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP / 5 HP (opt.)	
Machine size (L x W x H)	1710 x 2040 x 2180 mm	
Net weight (approx.)	1000 kgs	

\*Specifications are subject to change without prior notice.

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2000SRL	BMT 2000SSL	BMT 2000VL	BMT 2000EVL
Table size	254 x 1270 mm			
X / Y / Z travel - manual	730 x 315 x 405 mm			
Table T-slot (Width x No. x pitch)	16 mm x 3 x 64 mm			
Spindle taper	R8 / ISO 30 / ISO 40 (opt.) (Quill Dia: 86 mm)			
Spindle speed	16 steps		Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	65~4550 rpm		50~3500 rpm	60~4000 rpm
@ 60 Hz	80~5440 rpm		60~4200 rpm	60~4000 rpm
Spindle nose to table top	45~450 mm			
Spindle center to column surface	213~440 mm			
Quill travel	127 mm			
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm			
Head swiveling angle	(R & L) 90° / (F & B) 45°			
Overarm (ram) travel	227 mm			
Horizontal rotation of ram	360°			
Spindle motor	3 HP			
Machine size (L x W x H)	1670 x 1600 x 2200 mm			
Net weight (approx.)	1000 kgs		1100 kgs	
Gross weight (approx.)	1150 kgs		1280 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened, precisely ground, and coated with Turcite-B for maximum wear resistance.
- X & Z axes are dovetail way; Y axis is square way.
- Quill material is made by SCM-440.
- Machine base, knee and table are made by MEEHANITE cast iron.
- Swing type control box provides increased convenience of operational control.

**STANDARD ACCESSORIES**

- Inverter control with speed readout for BMT 2000EVL
- Control switch box w/ rotary arm
- Coolant system & chip tray
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Digital readout
- LED lamp
- CE standard





**BMT 2100VY**  
Mechanical  
variable speed



**BMT 2100SY**  
Step speed



**Inverter variable speed**  
Optional accessories

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y axis is square slideway.

**STANDARD ACCESSORIES**

- Drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Horizontal milling attachment
- Enlarged motor 5HP
- Enlarged table size 254 x 1370 mm
- Inverter driven vertical head
- Electric box & control panel
- Coolant system & chip tray
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

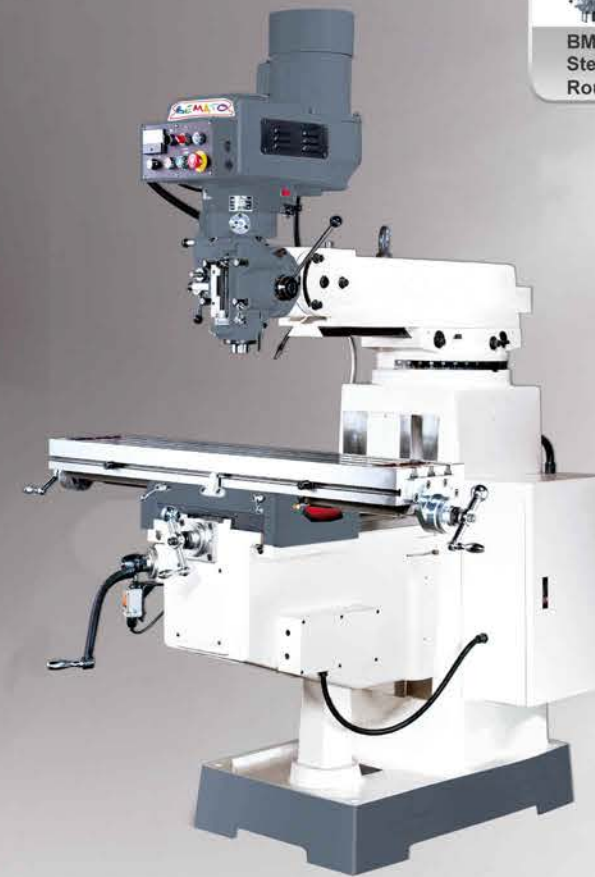
**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2100SY	BMT 2100VY
Table size	254 x 1270 mm	
X / Y / Z travel - manual	800 x 400 x 400 mm	
X / Y / Z travel - auto	740 x 400 x 400 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	R8 / ISO 30 / ISO 40 (opt.) (Quill Dia: 85.7 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds / Vari. speeds (inverter) (opt.)
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm / 70~4200 rpm (opt.)
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~445 mm	
Spindle center to column surface	150~690 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	508 mm / 530 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP / 5 HP (opt.)	
Machine size (L x W x H)	1810 x 2020 x 2180 mm	
Net weight (approx.)	1100 kgs	

\*Specifications are subject to change without prior notice.

**BMT 2100EVL**



**BMT 2100SRL**  
Step Speed-  
Round Head



**BMT 2100SSL**  
Step Speed-  
Square Head



**BMT 2100VL**  
Variable Speed



**BMT 2100EVL**  
Electronic  
Variable Speed

- Slideways are hardened, precisely ground, then coated with Turcite-B for maximum wear resistance.
- X & Z axes are dovetail way; Y axis is square way.
- Quill material is made by SCM-440.
- Machine base, knee and table are made by MEEHANITE cast iron.
- Swing type control box provides increased convenience of operational control.

**STANDARD ACCESSORIES**

- Inverter control with speed readout for BMT 2100EVL
- Control switch box w/ rotary arm
- Coolant system & chip tray
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- Z axis rapid up & down motor
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Digital readout
- LED lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2100SRL	BMT 2100SSL	BMT 2100VL	BMT 2100EVL
Table size	254 x 1270 mm			
X / Y / Z travel - manual	760 x 380 x 385 mm			
Table T-slot (Width x No. x pitch)	16 mm x 3 x 64 mm			
Spindle taper	R8 / ISO 30 / ISO 40 (opt.) (Quill Dia: 86 mm)			
Spindle speed	16 steps		Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	65~4550 rpm		50~3500 rpm	60~4000 rpm
@ 60 Hz	80~5440 rpm		60~4200 rpm	60~4000 rpm
Spindle nose to table top	80~465 mm			
Spindle center to column surface	260~620 mm			
Quill travel	127 mm			
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm			
Head swiveling angle	(R & L) 90° / (F & B) 45°			
Overarm (ram) travel	360 mm			
Horizontal rotation of ram	360°			
Spindle motor	3 HP			
Machine size (L x W x H)	2433 x 1750 x 2200 mm			
Net weight (approx.)	1310 kgs	1365 kgs		1380 kgs
Gross weight (approx.)	1490 kgs	1545 kgs		1560 kgs

\*Specifications are subject to change without prior notice.





**BMT 2300VY**  
Mechanical  
variable speed



**BMT 2300SY**  
Step speed



**Inverter variable speed**  
Optional accessories



**BMT 2500S**



**BMT 2500V**

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square sideway.

**STANDARD ACCESSORIES**

- Drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch.
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Enlarged motor 5HP
- Enlarged table size 254 x 1370 mm
- Inverter driven vertical head
- Horizontal milling attachment
- Electric box & control panel
- Coolant system & chip tray
- ISO 40 spindle
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2300SY	BMT 2300VY
Table size	254 x 1270 mm	
X / Y / Z travel - manual	800 x 380 x 430 mm	
X / Y / Z travel - auto	740 x 380 x 430 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	R8 / ISO 30 / ISO 40 (opt.) (Quill Dia: 85.7 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds / Vari. speeds (inverter) (opt.)
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm / 70~4200 rpm (opt.)
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~480 mm	
Spindle center to column surface	120~660 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	508 mm / 530 mm	
Horizontal rotation of ram	360°	
Spindle motor	3 HP / 5 HP (opt.)	
Machine size (L x W x H)	1810 x 2040 x 2200 mm	
Net weight (approx.)	1050 kgs	

\*Specifications are subject to change without prior notice.

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2500S	BMT 2500V
Table size	254 x 1270 mm	
X / Y / Z travel - manual	775 x 400 x 450 mm	
X / Y / Z travel - auto	700 x 400 x 450 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	ISO 40	
Spindle speed	10 steps	Vari. speeds
@ 60 Hz	70~3600 rpm	80~3800 rpm
Spindle nose to table top	55~505 mm	
Spindle center to column surface	130~550 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	420 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1480 x 1435 x 2330 mm	
Machine packing size (L x W x H)	1524 x 1727 x 2108 mm	
Net weight (approx.)	1500 kgs	
Gross weight (approx.)	1800 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.
- Hardened table

**STANDARD ACCESSORIES**

- Z axis rapid up & down motor
- Auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis ballscrew
- Z axis servo motor
- Inverter driven vertical spindle
- Enlarged table size 254 x 1370 mm
- Enlarged table size 300 x 1470 mm
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard





**BMT 2500SS**



**BMT 2500VS**

**BMT 2500SSL**



**BMT 2500SSL**  
Step Speed-  
Square Head

**BMT 2500VL**  
Variable Speed

**BMT 2500EVL**  
Electronic  
Variable Speed

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.
- Saddle and table are hardened and ground.
- Machine body is made from MEEHANITE casting.
- Hardened table

**STANDARD ACCESSORIES**

- Z axis rapid up & down motor
- Auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Leveling pads
- Drawbar
- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis ballscrew
- Enlarged table size 254 x 1370 mm
- Enlarged table size 300 x 1470 mm
- Inverter driven vertical spindle
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2500SS	BMT 2500VS
Table size	254 x 1270 mm	
X / Y / Z travel - manual	780 x 430 x 460 mm	
X / Y / Z travel - auto	700 x 430 x 460 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm	
Spindle taper	ISO 40 (Quill Dia: 100 mm)	
Spindle speed	10 steps	Vari. speeds
@ 60 Hz	65~2800 rpm	60~3600 rpm
Spindle nose to table top	70~520 mm	
Spindle center to column surface	180~500 mm	
Quill travel	127 mm / 150 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	450 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	2450 x 1900 x 2350 mm	
Machine packing size (L x W x H)	1750 x 1600 x 2000 mm	
Net weight (approx.)	1500 kgs	
Gross weight (approx.)	1700 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened, precisely ground, then coated with Turcite-B for maximum wear resistance.
- X & Y axes are transmitted by precisely feed lead screws with double nuts.
- X & Z axes are dovetail way; Y axis is square way.
- Quill material is made by SCM-440.
- Machine base, knee and table are made by MEEHANITE cast iron.
- Swing type control box provides increased convenience of operational control.

**STANDARD ACCESSORIES**

- Inverter control with speed readout for BMT 2500EVL
- Control switch box w/ rotary arm
- Coolant system & chip tray
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- Z axis rapid up & down motor
- Enlarged table size 254 x 1370 mm
- Auto lubrication system
- Air power drawbar
- Digital readout
- LED lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2500SSL	BMT 2500VL	BMT 2500EVL
Table size	254 x 1270 mm		
X / Y / Z travel - manual	760 x 380 x 385 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 64 mm		
Spindle taper	ISO 40 (Quill Dia: 105 mm)		
Spindle speed	8 steps	Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	70~3600 rpm	50~3200 rpm	60~4000 rpm
@ 60 Hz	80~4000 rpm	80~3800 rpm	60~4000 rpm
Spindle nose to table top	80~465 mm		
Spindle center to column surface	260~620 mm		
Quill travel	127 mm		
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm		
Head swiveling angle	(R & L) 90° / (F & B) 45°		
Overarm (ram) travel	360 mm		
Horizontal rotation of ram	360°		
Spindle motor	5 HP		
Machine size (L x W x H)	2433 x 1750 x 2200 mm		
Net weight (approx.)	1320 kgs	1375 kgs	1390 kgs
Gross weight (approx.)	1500 kgs	1555 kgs	1570 kgs

\*Specifications are subject to change without prior notice.





▲ BMT 3000S



▲ BMT 3000V



▲ BMT 3100SY  
Step speed



▲ BMT 3100VY  
Mechanical variable speed



▲ Inverter variable speed  
Optional accessories

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 3000S	BMT 3000V
Table size	280 x 1270 mm	
X / Y / Z travel - manual	740 x 438 x 460 mm	
X / Y / Z travel - auto	600 x 438 x 460 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 71 mm	
Spindle taper	ISO 40 (Quill Dia: 105 mm)	
Spindle speed	10 steps	Vari. speeds
@ 60 Hz	65~2800 rpm	60~3600 rpm
Spindle nose to table top	70~520 mm	
Spindle center to column surface	170~600 mm	
Quill travel	127 mm / 150 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	430 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	2450 x 2000 x 2400 mm	
Machine packing size (L x W x H)	1750 x 1950 x 2000 mm	
Net weight (approx.)	1600 kgs	
Gross weight (approx.)	1800 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.
- Saddle and table are hardened and ground.
- Machine body is made from MEEHANITE casting.
- Hardened table

STANDARD ACCESSORIES

- Z axis rapid up & down motor
- Auto lubrication system
- Coolant system & chip tray
- Leveling pads
- Electric box & control panel
- One-shot lubrication
- Rubber cover on front & rear saddle
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y axis table power feed
- X/Y axis ballscrew
- Inverter driven vertical spindle
- Air power drawbar
- Digital readout
- Halogen lamp
- CE standard

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square slideway.

STANDARD ACCESSORIES

- Arbor drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Enlarged table size 254 x 1370 mm
- Inverter driven vertical head
- Horizontal milling attachment
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 3100SY	BMT 3100VY
Table size	254 x 1270 mm	
X / Y / Z travel - manual	800 x 430 x 520 mm	
X / Y / Z travel - auto	740 x 430 x 250 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	ISO 40 (Quill Dia: 100 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds / Vari. speeds (inverter) (opt.)
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm / 70~4200 rpm (opt.)
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~570 mm	
Spindle center to column surface	220~750 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	530 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Machine size (L x W x H)	1810 x 2230 x 2340 mm	
Net weight (approx.)	1300 kgs	

\*Specifications are subject to change without prior notice.





**BMT 3500S**



**BMT 3500V**

[ **BED TYPE** ]

**BMT 1450V**



**BMT 1450R**



- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Hardened table
- Y & Z axes are square ways.

**STANDARD ACCESSORIES**

- Auto lubrication system
- X axis gear type auto & rapid feed
- Z axis rapid up & down motor
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis ballscrew
- Z axis servo motor
- Enlarged table size 300 x 1470 mm
- Inverter driven vertical spindle
- Air power drawbar
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 3500S	BMT 3500V
Table size	300 x 1270 mm	
X / Y / Z travel - manual	930 x 400 x 450 mm	
X / Y / Z travel - auto	920 x 380 x 450 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 80 mm	
Spindle taper	ISO 40	
Spindle speed	10 steps	Vari. speeds
@ 50 Hz	58~3000 rpm	67~3166 rpm
@ 60 Hz	70~3600 rpm	80~3800 rpm
Spindle nose to table top	45~495 mm	
Spindle center to column	130~550 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	420 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1740 x 1540 x 2330 mm	
Machine packing size (L x W x H)	1727 x 1524 x 2108 mm	
Net weight (approx.)	1650 kgs	1700 kgs
Gross weight (approx.)	1800 kgs	1850 kgs

\*Specifications are subject to change without prior notice.

**BMT 1450V**

**STANDARD ACCESSORIES**

- X/Y/Z axis leadscrew
- X axis gear type auto & rapid feed
- Z axis rapid up & down motor
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis ballscrew with inverter
- X/Y/Z axis ballscrew with servo motor
- Enlarged table size 370 x 1470 mm
- Rear splash guard
- Halogen lamp
- CE standard

**BMT 1450R**

**STANDARD ACCESSORIES**

- X/Y/Z axis ballscrew with servo motor
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Enlarged table size 370 x 1470 mm
- Rear splash guard
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

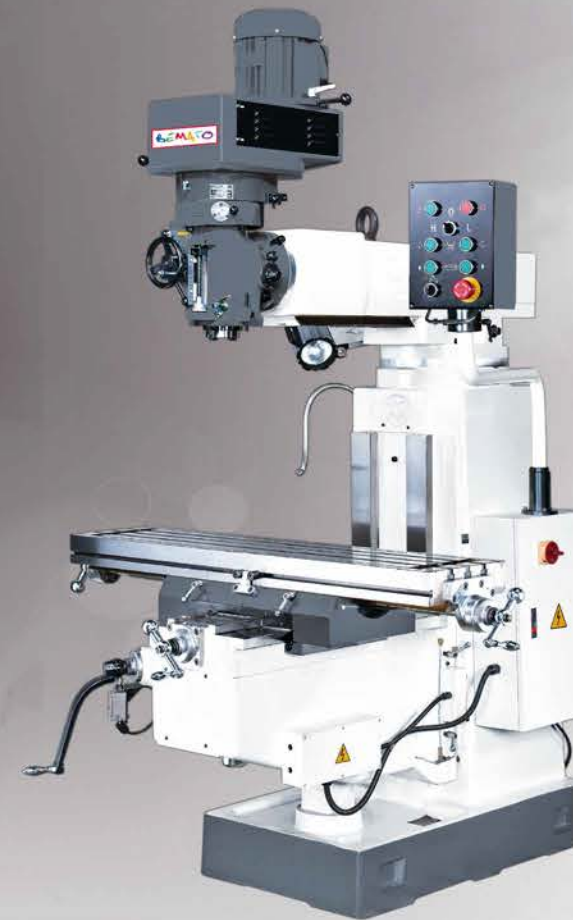
Description	BMT 1450V	BMT 1450R
Table size	370 x 1270 mm	
X / Y / Z travel - manual	930 x 430 x 550 mm	
X / Y / Z travel - auto	920 x 410 x 540 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 80 mm	
Spindle taper	ISO 40	
Spindle speed	Vari. speeds (inverter)	
@ 50 Hz	60~3600 rpm	60~1500 rpm
@ 60 Hz	60~3600 rpm	60~1500 rpm
Spindle nose to table top	130~670 mm	
Spindle center to column surface	450 mm	
Quill travel	140 mm	-
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm	-
Head swiveling angle	(R & L) 45°	FIXED
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1870 x 1485 x 2330 mm	1870 x 1586 x 2290 mm
Net weight (approx.)	2550 kgs	2600 kgs
Gross weight (approx.)	2700 kgs	2750 kgs

\*Specifications are subject to change without prior notice.





▲ BMT 4000V



▲ BMT 4000SSL



BMT 4000SSL  
Step Speed-  
Square Head



BMT 4000VL  
Variable Speed



BMT 4000EVL  
Electronic  
Variable Speed

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 4000V
Table size	300 x 1500 mm
X / Y / Z travel - manual	1200 x 380 x 500 mm
X / Y / Z travel - auto	1170 x 370 x 440 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 71 mm
Spindle taper	ISO 40
Spindle speed	Vari. speeds
@ 60 Hz	60~3600 rpm
Spindle nose to table top	0~535 mm
Spindle center to column surface	100~600 mm
Quill travel	150 mm
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.13 mm
Head swiveling angle	(R & L) 90°
Overarm (ram) travel	500 mm
Horizontal rotation of ram	360°
Spindle motor	5 HP
Coolant pump motor	1/8 HP
Machine size (L x W x H)	2100 x 2080 x 2400 mm
Machine packing size (L x W x H)	2250 x 1800 x 2250 mm
Net weight (approx.)	2250 kgs
Gross weight (approx.)	2450 kgs

\*Specifications are subject to change without prior notice.

- Slideways are hardened, precisely ground, then coated with Turcite-B for maximum wear resistance.
- X & Y axes are transmitted by precisely feed lead screws with double nuts.
- X axis is dovetail way; Y & Z axes are square way.
- Quill material is made by SCM-440.
- Machine base, knee and table are made by MEEHANITE cast iron.
- Swing type control box provides increased convenience of operational control.

**STANDARD ACCESSORIES**

- Inverter control with speed readout for BMT 4000EVL
- Control switch box w/ rotary arm
- Coolant system & chip tray
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- Z axis rapid up & down motor
- Enlarged table size 305 x 1524 mm
- Auto lubrication system
- Air power drawbar
- Digital readout
- LED lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 4000SSL	BMT 4000VL	BMT 4000EVL
Table size	305 x 1370 mm		
X / Y / Z travel - manual	800 x 360 x 420 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 64 mm		
Spindle taper	ISO 40 (Quill Dia: 105 mm)		
Spindle speed	8 steps	Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	70~3600 rpm	50~3000 rpm	60~4000 rpm
@ 60 Hz	80~4000 rpm	60~3750 rpm	60~4000 rpm
Spindle nose to table top	80~500 mm		
Spindle center to column surface	130~645 mm		
Quill travel	127 mm		
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm		
Head swiveling angle	(R & L) 90°		
Overarm (ram) travel	515 mm		
Spindle motor	5 HP		
Machine size (L x W x H)	2750 x 2030 x 2340 mm		
Net weight (approx.)	1650 kgs	1675 kgs	
Gross weight (approx.)	1850 kgs	1875 kgs	

\*Specifications are subject to change without prior notice.



**BMT 4100SY**  
Step speed



**BMT 4100VY**  
Mechanical variable speed



**Inverter variable speed**  
Optional accessories

**BMT 4500V**



- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square slideway.

**STANDARD ACCESSORIES**

- Arbor drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Enlarged table size 305 x 1524 mm
- Inverter driven vertical head
- Horizontal milling attachment
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 4100SY	BMT 4100VY
Table size	305 x 1370 mm	
X / Y / Z travel - manual	800 x 380 x 480 mm	
X / Y / Z travel - auto	800 x 380 x 480 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	ISO 40 (Quill Dia: 100 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds / Vari. speeds (inverter) (opt.)
	@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)
	@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)
Spindle nose to table top	50~530 mm	
Spindle center to column surface	220~750 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	530 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Machine size (L x W x H)	2360 x 2230 x 2340 mm	
Net weight (approx.)	1400 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square ways.
- Saddle and table are hardened and ground.
- Machine body is made from MEEHANITE casting.
- Hardened table

**STANDARD ACCESSORIES**

- X/Y axis auto & rapid feed by inverter
- Z axis rapid up & down motor
- Auto lubrication system
- Leveling pads
- Coolant system & chip tray
- Electric box & control panel
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis ballscrew
- Air power drawbar
- Digital readout
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 4500V
Table size	305 x 1500 mm
X / Y / Z travel - manual	1000 x 397 x 403 mm
X / Y / Z travel - auto	1000 x 374 x 403 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 71 mm
Spindle taper	ISO 40 (Quill Dia: 105 mm)
Spindle speed	Vari. speeds (inverter)
	@ 60 Hz
Spindle nose to table top	85~470 mm
Spindle center to column surface	265~750 mm
Quill travel	125 mm / 150 mm
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.13 mm
Head swiveling angle	(R & L) 90° / (F & B) 35°
Overarm (ram) travel	500 mm
Horizontal rotation of ram	360°
Spindle motor	5 HP
Coolant pump motor	1/8 HP
Machine size (L x W x H)	2100 x 1900 x 2400 mm
Machine packing size (L x W x H)	2250 x 1700 x 2250 mm
Net weight (approx.)	1700 kgs
Gross weight (approx.)	1900 kgs

\*Specifications are subject to change without prior notice.



**BMT 4500EVL**



\*Machine shown with optional accessories



**BMT 4500SL**  
Step Speed-  
Square Head

**BMT 4500VL**  
Variable Speed

**BMT 4500EVL**  
Electronic  
Variable Speed

- Slideways are hardened and precisely ground within HRC48 to HRC52.
- X & Y axes are coated with Turcite-B.
- X axis is dovetail way; Y & Z axes are square way.
- X, Y & Z are driven by inverter.
- Chromed and hardened X/Y/Z axis leadscrew with double nuts.
- Machine base, knee and table are made by MEEHANITE cast iron.

**STANDARD ACCESSORIES**

- X/Y axis electrical clutch system
- X/Y/Z axis safety handles
- Complete electric box
- One-piece drawbar
- Auto lubrication system
- Front & back dust cover
- Level and bolts
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis ballscrew
- Y axis telescoping stainless cover
- Table splash guard w/safety switch
- Spindle guard
- Coolant system & chip tray
- Air power drawbar
- 5 pcs no. T-slot table
- DC brake system on spindle motor
- Universal dividing head
- Digital readout
- LED work lamp
- CE standard

**SPECIFICATION:**

Description	BMT 4500SL	BMT 4500VL	BMT 4500EVL
Table size	300 x 1500 mm		
X / Y / Z travel - manual	1020 x 420 x 420 mm		
X / Y / Z travel - auto	950 x 400 x 420 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 70 mm		
Spindle taper	ISO 40 (Quill Dia: 105 mm)		
Spindle speed	10 steps	Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	70~3600 rpm	80~3750 rpm	60~4500 rpm
@ 60 Hz	85~4320 rpm	96~4500 rpm	60~4500 rpm
Spindle nose to table top	65~515 mm		
Spindle center to column surface	208~738 mm		
Quill travel	127 mm		
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.16 mm		
Head swiveling angle	(R & L) 90°		
Overarm (ram) travel	530 mm		
Spindle motor	5 HP		
Coolant pump motor	1/8 HP		
Machine size (L x W x H)	2430 x 1680 x 2350 mm		
Net weight (approx.)	1750 kgs	1800 kgs	
Gross weight (approx.)	1950 kgs	2000 kgs	

\*Specifications are subject to change without prior notice.

**BMT 5000S**



**BMT 5000V**



\*Machine shown with optional accessories

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Hardened table

**STANDARD ACCESSORIES**

- X axis gear type auto & rapid feed
- Y axis ballscrew with inverter
- Z axis rapid up & down motor
- Auto lubrication system
- Vertical head auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X axis ballscrew with inverter
- Z axis servo motor
- Enlarged table size 300 x 1470 mm
- Inverter driven vertical spindle
- Air power drawbar
- Halogen lamp
- CE standard

**SPECIFICATION:**

Description	BMT 5000S	BMT 5000V
Table size	300 x 1270 mm	
X / Y / Z travel - manual	930 x 400 x 450 mm	
X / Y / Z travel - auto	920 x 380 x 450 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 80 mm	
Spindle taper	ISO 40	
Spindle speed	16 steps	Vari. speeds
@ 50 Hz	63~3000 rpm	75~3166 rpm
@ 60 Hz	75~3600 rpm	90~3800 rpm
Spindle nose to table top	20~470 mm	
Spindle center to column	130~550 mm	
Quill travel	140 mm	
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	420 mm	
Horizontal rotation of ram	360°	
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1740 x 1540 x 2330 mm	
Machine packing size (L x W x H)	1727 x 1626 x 2108 mm	
Net weight (approx.)	1800 kgs	1700 kgs
Gross weight (approx.)	1950 kgs	1850 kgs

\*Specifications are subject to change without prior notice.



[ BED TYPE ]

▲ BMT 6300S

▲ BMT 6300V

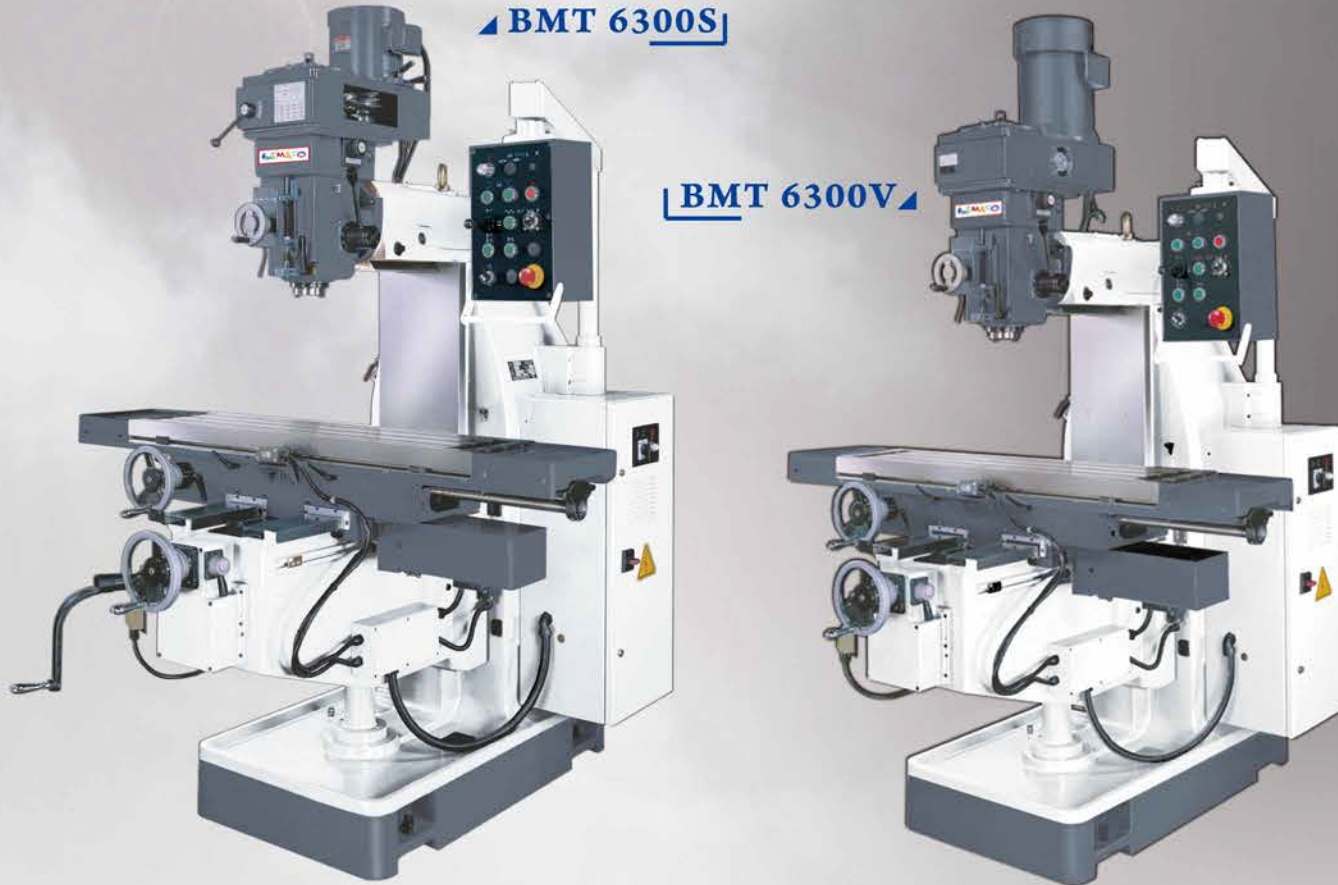
▲ BMT 6800VY

Mechanical variable speed

▲ BMT 6800SY

Step speed

▲ Inverter variable speed  
Optional accessories



SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 6300S	BMT 6300V
Table size	370 x 1270 mm	
X / Y / Z travel - manual	930 x 520 x 360 mm	
X / Y / Z travel - auto	920 x 500 x 360 mm	
Table T-slot (Width x No. x pitch)	18 mm x 3 x 80 mm	
Spindle taper	ISO 40	
Spindle speed	16 steps	Vari. speeds (inverter)
@ 50 Hz	63~3000 rpm	50~3000 rpm
@ 60 Hz	75~3600 rpm	60~3600 rpm
Spindle nose to table top	0~500 mm	
Spindle center to column	185~685 mm	
Quill travel	140 mm	
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	500 mm	
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1870 x 1700 x 2500 mm	
Machine packing size (L x W x H)	2032 x 1727 x 2261 mm	
Net weight (approx.)	2250 kgs	
Gross weight (approx.)	2400 kgs	

\*Specifications are subject to change without prior notice.

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Hardened table

STANDARD ACCESSORIES

- X/Y axis ballscrew C5
- X/Y axis servo motor
- Auto lubrication system
- Vertical head auto lubrication system
- Inverter driven vertical spindle for BMT 6300V
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y axis ballscrew C7
- Z axis servo motor
- Enlarged table size 370 x 1470mm
- Air power drawbar
- Halogen lamp
- CE standard

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square slideway.

STANDARD ACCESSORIES

- Drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y/Z axis ballscrew
- Enlarged table size 254 x 1370 mm
- Inverter driven vertical head
- Horizontal milling attachment
- Z axis rapid up & down motor
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Riser block
- Digital readout
- Halogen lamp
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 6800SY	BMT 6800VY
Table size	254 x 1270 mm	
X / Y / Z travel - manual	800 x 510 x 700 mm	
X / Y / Z travel - auto	740 x 510 x 700 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	ISO 40 (Quill Dia: 100 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds / Vari. speeds (inverter) (opt.)
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm / 70~4200 rpm (opt.)
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~750 mm	
Spindle center to column surface	410mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90°	
Spindle motor	5 HP	
Machine size (L x W x H)	1800 x 1580 x 1880 mm	
Net weight (approx.)	1100 kgs	

\*Specifications are subject to change without prior notice.



[ BED TYPE ]

▲ BMT 7000V



SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 7000V
Table size	400 x 1370 mm
X / Y / Z travel - manual	1000 x 508 x 610 mm
X / Y / Z travel - auto	1000 x 508 x 610 mm
Table T-slot (Width x No.)	16 mm x 5
Spindle taper	ISO 40 (Quill Dia: 105 mm)
Spindle speed	Vari. speeds (inverter)
@ 60 Hz	60~3600 rpm
Spindle nose to table top	90~700 mm
Spindle center to column surface	533 mm
Quill travel	150 mm
Head swiveling angle	(R & L) 90°
Horizontal rotation of ram	360°
Spindle motor	5 HP
Coolant pump motor	1/8 HP
Machine size (L x W x H)	2850 x 2400 x 2400 mm
Machine packing size (L x W x H)	2400 x 2250 x 2250 mm
Net weight (approx.)	2400 kgs
Gross weight (approx.)	2600 kgs

\*Specifications are subject to change without prior notice.

- Slideways are hardened & precisely ground.
  - X & Y axes are coated with Turcite-B.
  - Y & Z axes are square ways.
  - Saddle and table are hardened and ground.
  - Machine body is made from MEEHANITE casting.
  - Hardened table
- STANDARD ACCESSORIES**
- X/Y/Z axis ballscrew with inverter
  - Z axis telescopic metal cover
  - Inverter driven vertical spindle
  - Drawbar
  - Rubber cover on front & rear saddle
  - Leveling pads
  - Auto lubrication system
  - Coolant system & chip tray
  - Electric box & control panel
  - Halogen lamp
  - Tools & tool box
- OPTIONAL ACCESSORIES**
- Air power drawbar
  - Rear splash guard
  - Digital readout
  - CE standard

[ BED TYPE ]

▲ BMT7500SY

Step speed



▲ BMT 7500VY

Mechanical variable speed



▲ Inverter variable speed  
Optional accessories

- Slideways are hardened & precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z axes are square slideway.

STANDARD ACCESSORIES

- Drawbar
- Rubber cover on front & rear saddle
- One-shot lubrication system
- Forward & reverse switch
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y axis table power feed
- X/Y axis gear type table power feed
- X/Y/Z axis ballscrew
- Z axis rapid up & down motor
- Enlarged table size 305 x 1524 mm
- Inverter driven vertical head
- Horizontal milling attachment
- Electric box & control panel
- Coolant system & chip tray
- Auto lubrication system
- Air power drawbar
- Safety spindle guard
- Rear splash guard
- Digital readout
- Halogen lamp
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 7500SY	BMT 7500VY
Table size	305 x 1370 mm	
X / Y / Z travel - manual	800 x 490 x 650 mm	
X / Y / Z travel - auto	800 x 490 x 650 mm	
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	ISO 40 (Quill Dia: 100 mm)	
Spindle speed	8 steps / 16 steps (opt.)	Vari. speeds / Vari. speeds (inverter) (opt.)
@ 50 Hz	70~2310 rpm / 70~4620 rpm (opt.)	60~3600 rpm / 70~4200 rpm (opt.)
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
Spindle nose to table top	50~700 mm	
Spindle center to column surface	410 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 90°	
Spindle motor	5 HP	
Machine size (L x W x H)	1800 x 1580 x 1880 mm	
Net weight (approx.)	1350 kgs	

\*Specifications are subject to change without prior notice.



[ BED TYPE ]

▲ BMT 3615HV



SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 3615HV
Table size	360 x 1500 mm
X / Y / Z travel - manual	1000 x 540 x 430 mm
Table T-slot (Width x No. x pitch)	18 mm x 4 x 80 mm
Max. load capacity	800 kgs
Spindle taper	ISO 50
Spindle speed	8 steps
@ 50 Hz	95~1200 rpm
Spindle nose to table top	170~600 mm
Spindle center to column surface	500 mm
Spindle motor	7.5 HP / 10 HP (opt.) / 15 HP (opt.)
Coolant pump motor	1/8 HP
Machine size (L x W x H)	2050 x 2535 x 1980 mm
Floor space	3050 x 2535 mm
Net weight (approx.)	2900 kgs

\*Specifications are subject to change without prior notice.

- Slideways are precisely ground.
- Gears are hardened and ground.

STANDARD ACCESSORIES

- X/Y/Z axis variable feed speed
- Auto lubrication system
- Drawbar
- Coolant system
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y/Z axis ballscrew
- Y axis telescopic cover
- Enlarged motor 10 HP or 15 HP
- Electric auto spindle brake system
- Security table guard
- Face milling cutter
- Arm type or hanging panel
- Digital readout
- CE standard

[ BED TYPE ]

▲ BMT 1458V



- Double V type slideways on X & Y axes.
- Heavy duty vertical inverter solid head for BMT 1458R.
- Vertical inverter turret head for BMT 1458V.

STANDARD ACCESSORIES

- X/Y/Z axis servo motor
- X/Y/Z axis double nut ballscrew
- Y/Z axis telescopic cover
- Z axis MPG system
- Auto lubrication system
- Vertical head auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

OPTIONAL ACCESSORIES

- Air power drawbar
- Rear splash guard
- Halogen lamp
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 1458V	BMT 1458R
Table size	350 x 1470 mm	
X / Y / Z travel - manual	1200 x 550 x 600 mm	
Table T-slot (Width x No. x pitch)	18 mm x 3 x 100 mm	
Spindle taper	ISO 40	ISO 50
Spindle speed	Vari. speeds (inverter)	
@ 50 Hz & 60 Hz	60~3600 rpm	60~1500 rpm
Spindle nose to table top	100~700 mm	54~654 mm
Spindle center to column surface	520 mm	
Quill travel	140 mm	-
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm	
Head swiveling angle	(R & L) 45°	FIXED
Spindle motor	5 HP	15 HP
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	2334 x 2005 x 2490 mm	
Net weight (approx.)	4000 kgs	4700 kgs
Gross weight (approx.)	4150 kgs	4850 kgs

\*Specifications are subject to change without prior notice.

▲ BMT 1458R





[ BED TYPE ]

▲ BMT 4018HV



SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 4018HV
Table size	400 x 1800 mm
X / Y / Z travel - manual	1250 x 540 x 470 mm
Table T-slot (Width x No. x pitch)	18 mm x 4 x 80 mm
Max. load capacity	1000 kgs
Spindle taper	ISO 50
Spindle speed	8 steps
@ 50 Hz & 60 Hz	95~1200 rpm
Spindle nose to table top	130~600 mm
Spindle center to column surface	500 mm
Spindle motor	7.5 HP / 10 HP (opt.) / 15 HP (opt.)
Coolant pump motor	1/8 HP
Machine size (L x W x H)	3000 x 2535 x 2020 mm
Floor space	4250 x 2535 mm
Net weight (approx.)	3200 kgs

\*Specifications are subject to change without prior notice.

- Slideways are precisely ground.
- Gears are hardened and ground.

STANDARD ACCESSORIES

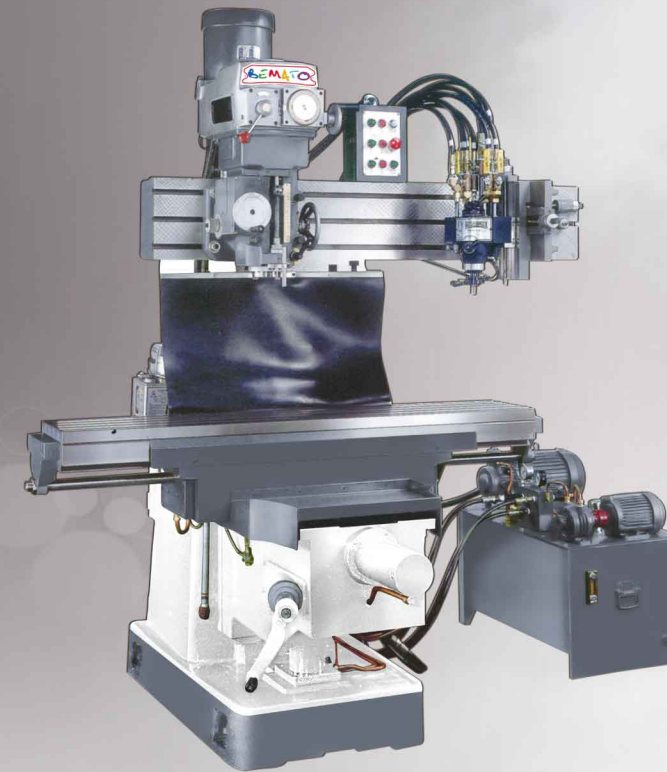
- X/Y/Z axis variable feed speed
- Auto lubrication system
- Drawbar
- Coolant system
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y/Z axis ballscrew
- X/Y axis telescopic cover
- Enlarged motor 10 HP or 15 HP
- Enlarged table size 450 x 1800 mm
- Electric auto spindle brake system
- Security table guard
- Face milling cutter
- Arm type or hanging panel
- Digital readout
- CE standard

[ HYDRAULIC 3D PROFILING TYPE ]

▲ BMT 3016PM



STANDARD ACCESSORIES

- Guide needle (100pcs/set)
- 1 - 50mm (2pcs/size)
- NT40-JMC32 milling chuck with collets (6, 8, 10, 12, 16, 20, 25)
- Dial gauge 50mm
- Clamping kits 5/8"
- Tools & tool box

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 3016PM
Table size	300 x 1600 mm
X / Y / Z travel - manual	720 x 360 x 220 mm
X / Y / X travel - hydraulic	720 x 360 x 150 mm
Table load capacity	600 kgs
Table T-slot (Width x No. x pitch)	20 mm x 5 x 40 mm
Spindle taper	ISO 40
Spindle speed @ 60 Hz	16 steps, 75~3600 rpm
Spindle nose to table top	0~460 mm
Spindle center to column surface	500 mm
Quill travel	140 mm
Tracer X / Y / Z travel	450 x 150 x 200 mm
Copy X / Y / Z range	720 x 360 x 150 mm
Spindle to center tracer distance	300~750 mm
Spindle motor	5 HP (4P)
Spindle headstock vertical travel	-
Hydraulic drive	3 HP
Machine size (L x W x H)	2000 x 2000 x 2300 mm
Net weight (approx. )	3000 kgs
Gross weight (approx. )	3500 kgs

\*Specifications are subject to change without prior notice.



[ DOUBLE COLUMN ]

▲ BMT 1500CB / BMT 2000CB



Universal head



90 degree head



Deep hole angular head

- Spindle head gear box design
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

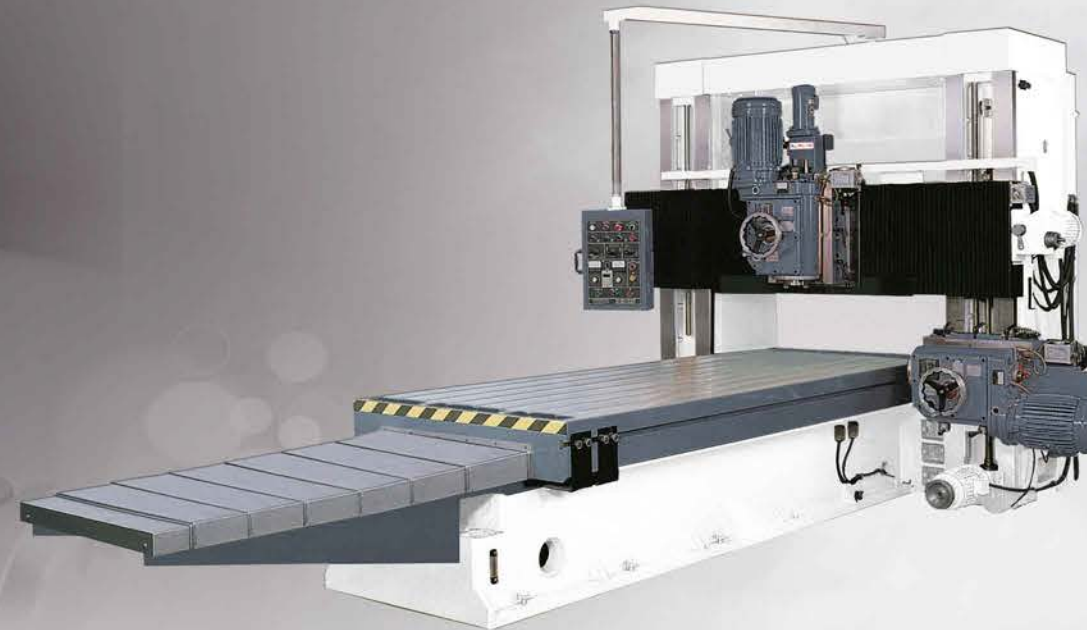
\*Machine shown with optional accessories

Description	BMT 1500CB	BMT 2000CB
Table size	700 x 1500 mm	700 x 2000 mm
X / Y / Z travel - manual	1500 x 1000 x 300 mm	2000 x 1000 x 300 mm
Distance between column	1000 mm	
Spindle nose to table top	550 mm	
Spindle motor	10 HP	
Machine size (L x W x H)	4800 x 2150 x 2250 mm	5900 x 2150 x 2250 mm
Net weight (approx.)	6500 kgs	8000 kgs

\*Specifications are subject to change without prior notice.

[ DOUBLE COLUMN ]

▲ BMT 2012CH / BMT 2512CH  
BMT 3012CH / BMT 4012CH



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

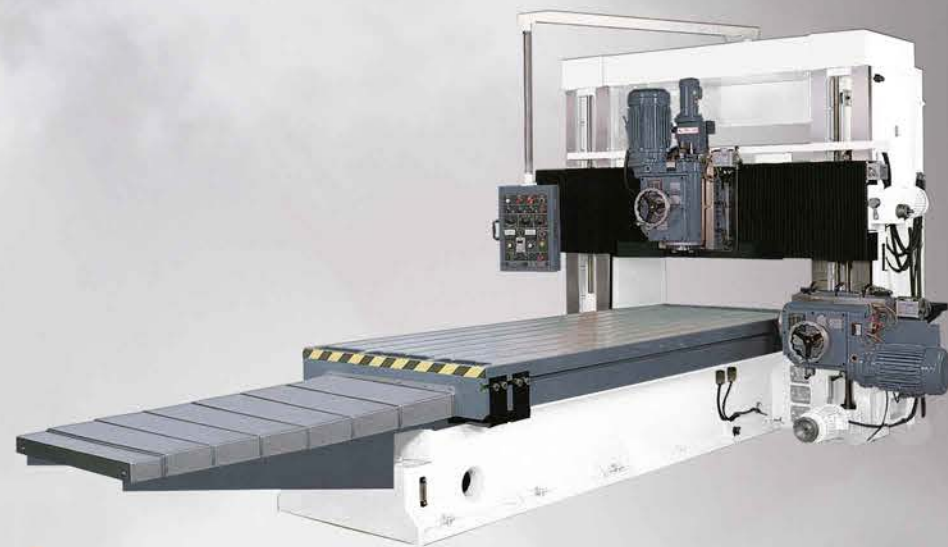
Description	BMT 2012CH	BMT 2512CH	BMT 3012CH	BMT 4012CH
Table size	800 x 2000 mm	800 x 2500 mm	800 x 3000 mm	800 x 4000 mm
X / Y / Z travel - manual	2000 x 1200 x 300 mm	2500 x 1200 x 300 mm	3000 x 1200 x 300 mm	4000 x 1200 x 300 mm
Distance between column	1230 mm			
Spindle nose to table top	900 mm			
Driving system	Rapid 5 mm / Cutting 3 mm			
Spindle motor	10 HP / 15 HP (opt.)			
Side head motor	10 HP			
Vertical head left/right motor	2 HP			
Beam up/down motor	2 HP			
Machine size (L x W x H)	6180 x 3000 x 2700 mm	7300 x 3000 x 2700 mm	8200 x 3000 x 2700 mm	10500 x 3000 x 2700 mm
Net weight (approx.)	11500 kgs	13500 kgs	15800 kgs	18000 kgs

\*Specifications are subject to change without prior notice.



[ DOUBLE COLUMN ]

- ▲ **BMT 2015CH / BMT 2515CH**
- BMT 3015CH / BMT 4015CH**
- BMT 5015CH / BMT 6015CH**



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Increase spindle nose to table surface to 1200mm
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

\*Machine shown with optional accessories

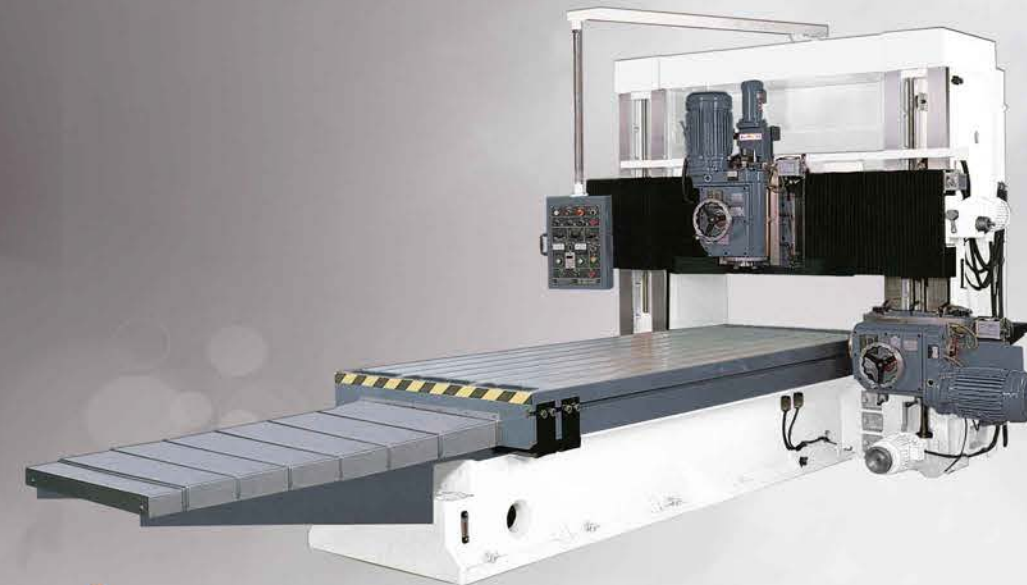
SPECIFICATION:

Description	BMT 2015CH	BMT 2515CH	BMT 3015CH	BMT 4015CH	BMT 5015CH	BMT 6015CH
Table size	1200 x 2000 mm	1200 x 2500 mm	1200 x 3000 mm	1200 x 4000 mm	1200 x 5000 mm	1200 x 6000 mm
X / Y / Z travel - manual	2000 x 1500 x 300 mm	2500 x 1500 x 300 mm	3000 x 1500 x 300 mm	4000 x 1500 x 300 mm	5000 x 1500 x 300 mm	6000 x 1500 x 300 mm
Distance between column	1530 mm					
Spindle nose to table top	1000 mm / 1200 mm (opt.)					
Driving system	Rapid 5 mm / Cutting 3 mm					
Spindle motor	10 HP / 15 HP (opt.)					
Side head motor	10 HP					
Vertical head left/right motor	2 HP					
Beam up/down motor	2 HP					
Machine size (L x W x H)	6180 x 3300 x 2900 mm	7300 x 3300 x 2900 mm	8200 x 3300 x 2900 mm	10500 x 3300 x 2900 mm	12650 x 3300 x 2900 mm	14580 x 3300 x 2900 mm
Net weight (approx.)	14000 kgs	16000 kgs	18500 kgs	20500 kgs	23000 kgs	26500 kgs

\*Specifications are subject to change without prior notice.

[ DOUBLE COLUMN ]

- ▲ **BMT 2518CH / BMT 3018CH**
- BMT 4018CH / BMT 5018CH / BMT 6018CH**



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Increase spindle nose to table surface to 1200mm
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

\*Machine shown with optional accessories

SPECIFICATION:

Description	BMT 2518CH	BMT 3018CH	BMT 4018CH	BMT 5018CH	BMT 6018CH
Table size	1400 x 2500 mm	1400 x 3000 mm	1400 x 4000 mm	1400 x 5000 mm	1400 x 6000 mm
X / Y / Z travel - manual	2500 x 1800 x 300 mm	3000 x 1800 x 300 mm	4000 x 1800 x 300 mm	5000 x 1800 x 300 mm	6000 x 1800 x 300 mm
Distance between column	1830 mm				
Spindle nose to table top	1000 mm / 1200 mm (opt.)				
Driving system	Rapid 5 mm / Cutting 3 mm				
Spindle motor	10 HP / 15 HP (opt.)				
Side head motor	10 HP				
Vertical head left/right motor	2 HP				
Beam up/down motor	2 HP				
Machine size (L x W x H)	7300 x 3680 x 2900 mm	8200 x 3680 x 2900 mm	10500 x 3680 x 2900 mm	12650 x 3680 x 2900 mm	14580 x 3680 x 2900 mm
Net weight (approx.)	18300 kgs	20000 kgs	22500 kgs	25000 kgs	29000 kgs

\*Specifications are subject to change without prior notice.



[ DOUBLE COLUMN ]

▲ BMT 3020CHM / BMT 4020CHM  
BMT 5020CHM / BMT 6020CHM



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Cross-beam auto hydraulic lock & guards
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Right/left side milling head
- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

\*Machine shown with optional accessories

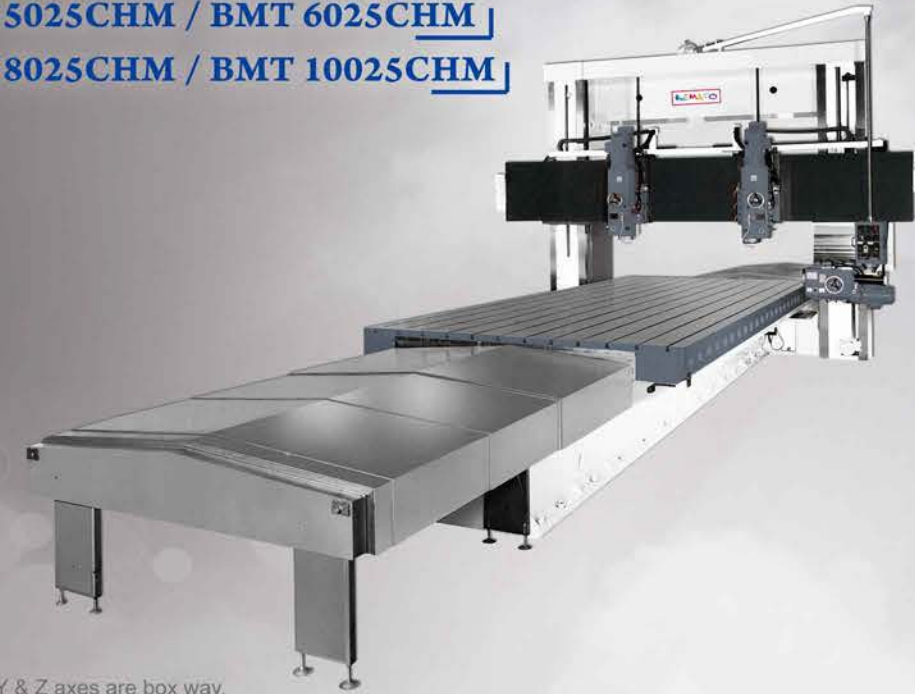
SPECIFICATION:

Description	BMT 3020CHM	BMT 4020CHM	BMT 5020CHM	BMT 6020CHM
Table size	1500 x 3000 mm	1500 x 4000 mm	1500 x 5000 mm	1500 x 6000 mm
X / Y / Z travel - manual	3000 x 2000 x 300 mm	4000 x 2000 x 300 mm	5000 x 2000 x 300 mm	6000 x 2000 x 300 mm
Distance between column	2050 mm			
Spindle nose to table top	1500 mm			
Driving system	Ballscrew			
Spindle motor	10 HP / 15 HP (opt.)			
Side head motor	10 HP			
Vertical head left/right motor	2 HP			
Beam up/down motor	3 HP			
Machine size (L x W x H)	8380 x 4500 x 3980 mm	10980 x 45000 x 3980 mm	12780 x 45000 x 3980 mm	15000 x 45000 x 3980 mm
Net weight (approx.)	26000 kgs	29000 kgs	33500 kgs	37000 kgs

\*Specifications are subject to change without prior notice.

[ DOUBLE COLUMN ]

▲ BMT 3025CHM / BMT 4025CHM  
BMT 5025CHM / BMT 6025CHM  
BMT 8025CHM / BMT 10025CHM



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Cross-beam auto hydraulic lock & guards
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Right/left side milling head
- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Ballscrew for BMT 8025CHM & BMT 10025CHM
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 3025CHM	BMT 4025CHM	BMT 5025CHM	BMT 6025CHM	BMT 8025CHM	BMT 10025CHM
Table size	2000 x 3000 mm	2000 x 4000 mm	2000 x 5000 mm	2000 x 6000 mm	2000 x 8000 mm	2000 x 10000 mm
X / Y / Z travel - manual	3000 x 2500 x 300 mm	4000 x 2500 x 300 mm	5000 x 2500 x 300 mm	6000 x 2500 x 300 mm	8000 x 2500 x 300 mm	10000 x 2500 x 300 mm
Distance between column	2550 mm					
Spindle nose to table top	1700 mm / 2000 mm (opt.) / 2500 mm (opt.)					
Driving system	Ballscrew			Gear type / ballscrew (opt.)		
Spindle motor	10 HP / 15 HP (opt.)					
Side head motor	10 HP					
Vertical head left/right motor	2 HP					
Beam up/down motor	3 HP					
Machine size (L x W x H)	8380 x 5200 x 4950 mm	11000 x 5200 x 4950 mm	12800 x 5200 x 4950 mm	15000 x 5200 x 4950 mm	19500 x 5200 x 4950 mm	25800 x 5200 x 4950 mm
Net weight (approx.)	37000 kgs	45000 kgs	51500 kgs	56000 kgs	71000 kgs	88000 kgs

\*Specifications are subject to change without prior notice.



[ DOUBLE COLUMN ]

- ▲ BMT 4030CHM / BMT 5030CHM
- BMT 6030CHM / BMT 8030CHM
- BMT 10030CHM



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Cross-beam auto hydraulic lock & guards
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Right/left side milling head
- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Increase spindle nose to table surface to 2000 mm or 2500 mm
- Ballscrew for BMT 8030CHM & BMT 10030CHM
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 4030CHM	BMT 5030CHM	BMT 6030CHM	BMT 8030CHM	BMT 10030CHM
Table size	2500 x 4000 mm	2500 x 5000 mm	2500 x 6000 mm	2500 x 8000 mm	2500 x 10000 mm
X / Y / Z travel - manual	4000 x 3000 x 300 mm	5000 x 3000 x 300 mm	6000 x 3000 x 300 mm	8000 x 3000 x 300 mm	10000 x 3000 x 300 mm
Distance between column	3050 mm				
Spindle nose to table top	1700 mm / 2000 mm (opt.) / 2500 mm (opt.)				
Driving system	Ballscrew		Gear type / ballscrew (opt.)		
Spindle motor	10 HP / 15 HP (opt.)				
Side head motor	10 HP				
Vertical head left/right motor	2 HP				
Beam up/down motor	5 HP				
Machine size (L x W x H)	11000 x 5700 x 5100 mm	12800 x 5700 x 5100 mm	15000 x 5700 x 5100 mm	19500 x 5700 x 5100 mm	25800 x 5700 x 5100 mm
Net weight (approx.)	49000 kgs	55000 kgs	62000 kgs	80000 kgs	96000 kgs

\*Specifications are subject to change without prior notice.

[ DOUBLE COLUMN ]

- ▲ BMT 5035CHM / BMT 6035CHM
- BMT 8035CHM / BMT 10035CHM



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Cross-beam auto hydraulic lock & guards
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Right/left side milling head
- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Increase spindle nose to table surface to 2500 mm or 3000 mm
- Ballscrew for BMT 8035CHM & BMT 10035CHM
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 5035CHM	BMT 6035CHM	BMT 8035CHM	BMT 10035CHM
Table size	3000 x 5000 mm	3000 x 6000 mm	3000 x 8000 mm	3000 x 10000 mm
X / Y / Z travel - manual	5000 x 3500 x 300 mm	6000 x 3500 x 300 mm	8000 x 3500 x 300 mm	10000 x 3500 x 300 mm
Distance between column	3550 mm			
Spindle nose to table top	2000 mm / 2500 mm (opt.) / 3000 mm (opt.)			
Driving system	Ballscrew		Gear type / ballscrew (opt.)	
Spindle motor	10 HP / 15 HP (opt.)			
Side head motor	10 HP			
Machine size (L x W x H)	12800 x 6300 x 5600 mm	15000 x 6300 x 5600 mm	19800 x 6300 x 5600 mm	26000 x 6300 x 5600 mm
Net weight (approx.)	63000 kgs	73000 kgs	90000 kgs	110000 kgs

\*Specifications are subject to change without prior notice.



[ DOUBLE COLUMN ]

▲ BMT 6042CHM / BMT 8042CHM  
BMT 10042CHM / BMT 12042CHM



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Cross-beam auto hydraulic lock & guards
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Right/left side milling head
- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Increase spindle nose to table surface to 2500 mm, 3000 mm, 3500 mm or 4000 mm
- Ballscrew for BMT 8042CHM, BMT 10042CHM & BMT 12042CHM
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 6042CHM	BMT 8042CHM	BMT 10042CHM	BMT 12042CHM
Table size	3200 x 6000 mm	3200 x 8000 mm	3200 x 10000 mm	3200 x 12000 mm
X / Y / Z travel - manual	6000 x 4200 x 300 mm	8000 x 4200 x 300 mm	10000 x 4200 x 300 mm	12000 x 4200 x 300 mm
Distance between column	4250 mm			
Spindle nose to table top	2000 mm / 2500 mm (opt.) / 3000 mm (opt.) / 3500 mm (opt.) / 4000 mm (opt.)			
Driving system	Ballscrew		Gear type / ballscrew (opt.)	
Spindle motor	10 HP / 15 HP (opt.)			
Side head motor	10 HP			
Machine size (L x W x H)	15000 x 7100 x 5600 mm	19800 x 7100 x 5600 mm	26000 x 7100 x 5600 mm	29500 x 7100 x 5600 mm
Net weight (approx.)	82000 kgs	105000 kgs	128000 kgs	152000 kgs

\*Specifications are subject to change without prior notice.

[ DOUBLE COLUMN ]

▲ BMT 6050CHM / BMT 8050CHM  
BMT 10050CHM / BMT 12050CHM



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

STANDARD ACCESSORIES

- X axis telescopic metal cover
- X/Y axis ballscrew
- Y axis rubber cover
- Cutting feeding by micro adjuster by inverter
- Vertical milling head
- Vertical milling head auto cutting motor
- Horizontal milling head
- Joystick auto feeding
- Cross-beam auto hydraulic lock & guards
- Auto lubrication system
- Tools & tool box

OPTIONAL ACCESSORIES

- Right/left side milling head
- Enlarged motor 15 HP
- Enlarged Z axis travel to 400 mm or 600 mm
- Increase spindle nose to table surface to 2500 mm, 3000 mm, 3500 mm or 4000 mm
- Ballscrew for BMT 8050CHM, BMT 10050CHM & BMT 12050CHM
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 6050CHM	BMT 8050CHM	BMT 10050CHM	BMT 12050CHM
Table size	4000 x 6000 mm	4000 x 8000 mm	4000 x 10000 mm	4000 x 12000 mm
X / Y / Z travel - manual	6000 x 5000 x 300 mm	8000 x 5000 x 300 mm	10000 x 5000 x 300 mm	12000 x 5000 x 300 mm
Distance between column	5050 mm			
Spindle nose to table top	2000 mm / 2500 mm (opt.) / 3000 mm (opt.) / 3500 mm (opt.) / 4000 mm (opt.)			
Driving system	Ballscrew		Gear type / ballscrew (opt.)	
Spindle motor	10 HP / 15 HP (opt.)			
Side head motor	10 HP			
Machine size (L x W x H)	15000 x 7800 x 5600 mm	19800 x 7800 x 5600 mm	26000 x 7800 x 5600 mm	29500 x 7800 x 5600 mm
Net weight (approx.)	100000 kgs	112000 kgs	132000 kgs	152000 kgs

\*Specifications are subject to change without prior notice.







**BEMATO**<sup>®</sup>

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**HORIZONTAL  
MILLING MACHINE**

**P55~P60**



**BMT 800HU**



**BMT 900HU**



**BMT 1100HU**



**STANDARD ACCESSORIES**

- X, Y & Z axis leadscrew or
- X axis gear rack, Y & Z axis leadscrew
- Slideways and table are ground.
- 6 steps gearbox for BMT 900HU
- One shot lubrication
- Coolant system & chip tray for BMT 900HU
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Hardened table
- Swivel table (30°) for BMT 900HU
- Coolant system & chip tray for BMT 800HU
- Halogen lamp
- Digital readout

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 800HU	BMT 900HU
Table size	160 x 545 mm	220 x 815 mm
X / Y / Z travel - manual	270 x 125 x 230 mm	420 x 220 x 370 mm
X / Y / Z travel - hydraulic	250 x 125 x 230 mm	450 x 220 x 370 mm
Table T-slot (Width x No.)	16 mm x 3	
Spindle taper	ISO 30	
Spindle speed	4 steps	6 steps
	240~1200 rpm	80~760 rpm
Spindle motor	2 HP	
Coolant pump motor	1/8 HP (opt.)	1/8 HP
Machine size (L x W x H)	800 x 860 x 1100 mm	1200 x 1300 x 1450 mm
Machine packing size (L x W x H)	900 x 960 x 1250 mm	1300 x 1400 x 1600 mm
Net weight (approx.)	300 kgs (manual) /	680 kgs (manual) /
	450 kgs (hydraulic)	820 kgs (hydraulic)
Gross weight (approx.)	370 kgs (manual) /	780 kgs (manual) /
	520 kgs (hydraulic)	920 kgs (hydraulic)

\*Specifications are subject to change without prior notice.

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1100HU	
Table size	240 x 1050 mm	
X / Y / Z travel - manual	560 x 300 x 420 mm	
X / Y / Z travel - auto	560 x 300 x 420 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63.5 mm	
Spindle taper	ISO 40	
Spindle speed	6 steps	
	@ 50 Hz	90~1225 rpm
	@ 60 Hz	108~1470 rpm
Spindle center to table	0~320 mm	
Spindle center to Overarm bottom	120 mm	
Head swiveling angle	(R & L) 45°	
Spindle motor	3 HP / 4 HP (opt.)	
Coolant pump motor	1/8 HP	
Machine packing size (L x W x H)	1397 x 1220 x 2032 mm	
Net weight (approx.)	1200 kgs	
Gross weight (approx.)	1350 kgs	

\*Specifications are subject to change without prior notice.

- Vertical spindle rotation is driven through horizontal spindle.
- A universal dividing head can be transmitted through the screw.

**STANDARD ACCESSORIES**

- Swivel table (45°)
- Coolant system
- Cutter arbor & sleeve
- Drawbar
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Y/Z axis gear type table power feed
- Enlarged table size 300 x 1200 mm
- Slotting head attachment
- Enlarged motor 4 HP
- 1.5 HP table motor
- Table splash guard (300 x 1200 mm table only)
- Horizontal milling arbor
- Support bracket
- Chip tray
- Digital readout
- CE standard





**BMT 1000HU**



**BMT 2000HU**



**BMT 3615H**



**BMT 3615HS**

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.

**STANDARD ACCESSORIES**

- X axis gear type auto & rapid feeds
- Y axis ballscrew with inverter for BMT 2000HU
- Z axis rapid up & down motor
- Vertical head attachment
- Swivel table (45°)
- Coolant system & chip tray
- Horizontal milling arbor (27 mm) for BMT 2000HU
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Y axis table power feed for BMT 1000HU
- Z axis servo motor for BMT 1000HU
- Enlarged table size 300 x 1470 mm for BMT 1000HU
- Hardened table
- Air power drawbar for BMT 2000HU
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1000HU	BMT 2000HU
Table size	250 x 1100 mm	300 x 1270 mm
X / Y / Z travel - manual	700 x 260 x 390 mm	930 x 400 x 450 mm
X / Y / Z travel - auto	700 x 185 x 390 mm	920 x 380 x 450 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 60 mm	16 mm x 3 x 80 mm
<b>VERTICAL SPINDLE</b>		
Spindle taper	ISO 40	
Spindle speed	6 steps	9 steps
@ 50 Hz	60~1100 rpm	45~1100 rpm
@ 60 Hz	70~1320 rpm	55~1320 rpm
Overarm (ram) travel	300 mm	500 mm
<b>HORIZONTAL SPINDLE</b>		
Spindle taper	ISO 40	
Spindle speed	6 steps	9 steps
@ 50 Hz	60~1100 rpm	60~1440 rpm
@ 60 Hz	70~1320 rpm	75~1730 rpm
Spindle center to bottom of ram	115 mm	175 mm
Spindle center to table	0~390 mm	0~450 mm
<b>MOTOR</b>		
Horizontal spindle motor	3 HP	5 HP
Coolant pump motor	1/8 HP	
<b>SIZE / WEIGHT</b>		
Machine size (L x W x H)	1570 x 1230 x 1652 mm	2150 x 1750 x 1975 mm
Machine packing size (L x W x H)	1270 x 1575 x 1981 mm	1753 x 2083 x 2261 mm
Net weight (approx.)	1000 kgs	2550 kgs
Gross weight (approx.)	1150 kgs	2700 kgs

\*Specifications are subject to change without prior notice.

**[ BED TYPE ]**

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 3615H	BMT 3615HS
Table size	360 x 1500 mm	
X / Y / Z travel - manual	1000 x 540 x 430 mm	
Table T-slot (Width x No. x pitch)	18 mm x 4 x 80 mm	
Max. load capacity	800 kgs	
Spindle taper	ISO 50	
Spindle speed	12 steps / 8 steps	8 steps
@ 50 Hz	53~2327 rpm / 95~1200 rpm	95~1200 rpm
Spindle center to table	90~520 mm	-
Spindle motor	7.5 HP / 10 HP (opt.) / 15 HP (opt.)	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	2050 x 2535 x 1840 mm	2050 x 2535 x 2100 mm
Floor space	3050 x 2535 mm	3050 x 2535 mm
Net weight (approx.)	2700 kgs	2900 kgs

\*Specifications are subject to change without prior notice.

- Slideways are precisely ground.
- Gears are hardened and ground.

**STANDARD ACCESSORIES**

- X/Y/Z axis variable feed speed
- Auto lubrication system
- Drawbar
- Coolant system
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y/Z axis ballscrew
- Y axis telescopic cover
- Enlarged motor 10 HP or 15 HP
- Electric auto spindle brake system
- Security table guard
- Face milling cutter
- Arm type or hanging panel
- Digital readout
- CE standard



## [ BED TYPE ]

▲ **BMT 4018H**



▲ **BMT 4018HS**



- Slideways are precisely ground.
- Gears are hardened and ground.

### STANDARD ACCESSORIES

- X/Y/Z axis variable feed speed
- Auto lubrication system
- Drawbar
- Coolant system
- Tools & tool box

### OPTIONAL ACCESSORIES

- X/Y/Z axis ballscrew
- X/Y axis telescopic cover
- Enlarged motor 10 HP or 15 HP
- Enlarged table size 450 x 1800 mm
- Electric auto spindle brake system
- Security table guard
- Face milling cutter
- Arm type or hanging panel
- Digital readout
- CE standard

### SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 4018H	BMT 4018HS
Table size	400 x 1800 mm	
X / Y / Z travel - manual	1250 x 540 x 470 mm	
Table T-slot (Width x No. x pitch)	18 mm x 4 x 80 mm	
Max. load capacity	1000 kgs	
Spindle taper	ISO 50	
Spindle speed	12 steps / 8 steps	8 steps
@ 50 Hz	53~2327 rpm / 95~1200 rpm	95~1200 rpm
Spindle center to table	90~560 mm	-
Spindle motor	7.5 HP / 10 HP (opt.) / 15 HP (opt.)	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	3000 x 2535 x 1830 mm	3000 x 2535 x 2160 mm
Floor space	4250 x 2535 mm	4250 x 2535 mm
Net weight (approx.)	3000 kgs	3200 kgs

\*Specifications are subject to change without prior notice.

## [ COLUMN TYPE ]

▲ **BMT 1500CY / BMT 2000CY**  
**BMT 2500CY / BMT 3000CY**  
**BMT 4000CY / BMT 5000CY**



Universal head



90 degree head



Deep hole angular head

- X, Y & Z axes are box way.
- Slideways are coated with Turcite-B.

### STANDARD ACCESSORIES

- X axis telescopic metal cover
- X axis ballscrew
- Cutting feeding by micro adjuster by inverter
- Horizontal milling head
- Auto lubrication system
- Tools & tool box

### OPTIONAL ACCESSORIES

- Enlarged motor 15 HP for BMT 3000CY, BMT 4000CY, BMT 5000CY
- Enlarged Y axis travel to 1000 mm or 1200 mm
- Enlarged spindle travel to 400 mm or 600 mm for BMT 3000CY, BMT 4000CY, BMT 5000CY
- Electromagnetic chuck
- Hydraulic index table
- Universal head
- 90 degree head
- Deep hole angular head
- Digital readout system
- CE standard

### SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 1500CY	BMT 2000CY	BMT 2500CY	BMT 3000CY	BMT 4000CY	BMT 5000CY
Table size	700 x 1500 mm	800 x 2000 mm	800 x 2500 mm	800 x 3000 mm	800 x 4000 mm	800 x 5000 mm
X / Y travel - manual	1500 x 600 mm	2000 x 800 mm	2500 x 800 mm	3000 x 800 mm	4000 x 800 mm	5000 x 800 mm
Spindle travel	300 mm			300 mm / 400 mm (opt.) / 600 mm (opt.)		
Spindle speed	6 steps / 9 steps (opt.)					
Spindle motor	90~615 rpm / 80~800 rpm (opt.)					
Spindle motor	10 HP			10HP / 15 HP (opt.)		
Machine size (L x W x H)	4900 x 2030 x 2270 mm	5900 x 2200 x 2780 mm	7100 x 2300 x 2780 mm	8000 x 2300 x 2780 mm	10000 x 2300 x 2800 mm	12000 x 2300 x 2800 mm
Net weight (approx.)	5500 kgs	8600 kgs	11000 kgs	12500 kgs	15000 kgs	19000 kgs

\*Specifications are subject to change without prior notice.





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**VERTICAL &  
HORIZONTAL  
MILLING MACHINE**

**P61~P74**



**BMT 800VH**



**BMT 900VH**



**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 800VH
Table size	160 x 545 mm
X / Y / Z travel - manual	270 x 125 x 230 mm
X / Y / Z travel - hydraulic	250 x 125 x 230 mm
Table T-slot (Width x No.)	16 mm x 3
<b>VERTICAL SPINDLE</b>	
Spindle taper	ISO 30
Spindle speed	4 steps
	500~1720 rpm
Spindle nose to table top	140~370 mm
Spindle center to column surface	130~380 mm
Quill travel	80 mm
Head swiveling angle	(R & L) 45°
Overarm (ram) travel	250 mm
Horizontal rotation of ram	360°
<b>HORIZONTAL SPINDLE</b>	
Spindle taper	ISO 30
Spindle speed	4 steps
	240~1200 rpm
<b>MOTOR</b>	
Vertical spindle motor	1 HP
Horizontal spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
<b>SIZE / WEIGHT</b>	
Machine size (L x W x H)	800 x 860 x 1650mm
Machine packing size (L x W x H)	900 x 960 x 1800 mm
Net weight (approx.)	360 kgs (manual) / 510 kgs (hydraulic)
Gross weight (approx.)	430 kgs (manual) / 580 kgs (hydraulic)

\*Specifications are subject to change without prior notice.

**STANDARD ACCESSORIES**

- X, Y & Z axis leadscrew or X axis gear rack, Y & Z axis leadscrew
- Slideways and table are ground.
- One shot lubrication
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Coolant system & chip tray
- Hardened table
- Halogen lamp
- Digital readout

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 900VH
Table size	220 x 815 mm
X / Y / Z travel - manual	420 x 220 x 370 mm
X / Y / Z travel - hydraulic	450 x 220 x 370 mm
Table T-slot (Width x No.)	16 mm x 3
<b>VERTICAL SPINDLE</b>	
Spindle taper	ISO 30
Spindle speed	4 steps
	480~2050 rpm
Spindle nose to table top	140~510 mm
Spindle center to column surface	200~570 mm
Quill travel	110 mm
Head swiveling angle	(R & L) 45°
Overarm (ram) travel	370 mm
Horizontal rotation of ram	360°
<b>HORIZONTAL SPINDLE</b>	
Spindle taper	ISO 30
Spindle speed	6 steps
	80~760 rpm
<b>MOTOR</b>	
Vertical spindle motor	2 HP
Horizontal spindle motor	2 HP
Coolant pump motor	1/8 HP
<b>SIZE / WEIGHT</b>	
Machine size (L x W x H)	1200 x 1300 x 1950 mm
Machine packing size (L x W x H)	1300 x 1400 x 2100 mm
Net weight (approx.)	750 kgs (manual) / 900 kgs (hydraulic)
Gross weight (approx.)	850 kgs (manual) / 1000 kgs (hydraulic)

\*Specifications are subject to change without prior notice.

**STANDARD ACCESSORIES**

- X, Y & Z axis leadscrew or X axis gear rack, Y & Z axis leadscrew
- Slideways and table are ground.
- 6 steps gearbox
- One shot lubrication
- Coolant system & chip tray
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Hardened table
- Swivel table (30°)
- Halogen lamp
- Digital readout



**BMT 1000VHS**



**BMT 1500VHV**



**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1000VHS	BMT 1000VHV
Table size	250 x 1100 mm	
X / Y / Z travel - manual	700 x 250 x 400 mm	
Table T-slot (Width x No. x pitch)	16 mm x 3 x 60 mm	
<b>VERTICAL SPINDLE</b>		
Spindle taper	ISO 40	
Spindle speed	10 steps	Vari. speeds
@ 50 Hz	60~3000 rpm	66~3166 rpm
@ 60 Hz	70~3600 rpm	80~3800 rpm
Spindle nose to table top	30~470 mm	
Spindle center to column surface	200~500 mm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Head swiveling angle	(R & L) 45°	
Overarm (ram) travel	300 mm	
Horizontal rotation of ram	360°	
<b>HORIZONTAL SPINDLE</b>		
Spindle taper	ISO 40	
Spindle speed	6 steps	
@ 50 Hz	60~1100 rpm	
@ 60 Hz	70~1320 rpm	
Spindle center to bottom of ram	115 mm	
Spindle center to table	0~420 mm	
<b>MOTOR</b>		
Vertical spindle motor	5 HP	
Horizontal spindle motor	3 HP	
Coolant pump motor	1/8 HP	
<b>SIZE / WEIGHT</b>		
Machine size (L x W x H)	1570 x 1230 x 1652 mm	
Machine packing size (L x W x H)	1270 x 1575 x 1981 mm	
Net weight (approx.)	1300 kgs	1350 kgs
Gross weight (approx.)	1450 kgs	1500 kgs

\*Specifications are subject to change without prior notice.

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.

**STANDARD ACCESSORIES**

- X axis gear type auto & rapid feeds
- Z axis rapid up & down motor
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Y axis table power feed
- Enlarged table size 300 x 1470 mm
- Hardened table
- Inverter driven vertical spindle
- Air power drawbar for vertical spindle
- Vertical head attachment
- Swivel table (45°)
- Halogen lamp
- CE standard

- A universal dividing head can be transmitted through the screw.

**STANDARD ACCESSORIES**

- Swivel table (45°)
- Coolant system
- Cutter arbor & sleeve
- Drawbar
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Y/Z axis gear type table power feed
- Slotting head attachment
- Air power drawbar
- Enlarged vertical motor 7.5 HP
- Table splash guard
- Horizontal milling arbor
- Chip tray
- Digital readout
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 1500VH	BMT 1500VHV	BMT 1500VHI
Table size	300 x 1200 mm		
X / Y / Z travel - manual	700 x 300 x 330 mm		
X / Y / Z travel - auto	700 x 300 x 330 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 57 mm		
<b>VERTICAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	20 steps	Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	60~3620 rpm	70~3800 rpm	0~4000 rpm
@ 60 Hz	73~3925 rpm	70~3800 rpm	0~4000 rpm
Spindle nose to table top	70~420 mm		
Spindle center to column surface	155~475 mm		
Quill travel	150 mm		
Head swiveling angle	(R & L) 90°		
Overarm (ram) travel	455 mm		
Horizontal rotation of ram	360°		
<b>HORIZONTAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	6 steps		
@ 60 Hz	108~1470 rpm		
Spindle center to table top	0~330 mm		
Spindle center to Overarm bottom	135 mm		
<b>MOTOR</b>			
Vertical spindle motor	5 HP / 7.5 HP (opt.)		
Horizontal spindle motor	4 HP		
Coolant pump motor	1/8 HP		
<b>SIZE / WEIGHT</b>			
Machine packing size (L x W x H)	1575 x 1575 x 2007 mm		
Net weight (approx.)	1250 kgs		
Gross weight (approx.)	1380 kgs		

\*Specifications are subject to change without prior notice.





**BMT 6000S**



**BMT 6000V**



**BMT 6000SF**

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z are square ways.
- Hardened table

**STANDARD ACCESSORIES**

- X axis gear type auto & rapid feeds for BMT 6000S, BMT 6000V
- Y axis ballscrew with inverter for BMT 6000S, BMT 6000V
- X / Y axis ballscrew with shared inverter for BMT 6000SF
- Z axis rapid up & down motor
- Auto lubrication system
- Vertical head auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X axis ballscrew with inverter
- Z axis servo motor
- Enlarged table size 300 x 1470mm
- Inverter driven vertical spindle
- Vertical head attachment
- Air power drawbar
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 6000S	BMT 6000V	BMT 6000SF
Table size	300 x 1270 mm		
X / Y / Z travel - manual	930 x 400 x 450 mm		
X / Y / Z travel - auto	920 x 380 x 450 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 80 mm		
<b>VERTICAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	16 steps	Vari. speeds	16 steps
@ 50 Hz	62~3000 rpm	75~3166 rpm	62~3000 rpm
@ 60 Hz	75~3600 rpm	90~3800 rpm	75~3600 rpm
Spindle nose to table top	95~545 mm		
Spindle center to column surface	190~690 mm		
Quill travel	140 mm		
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm		
Head swiveling angle	(R & L) 45°		
Overarm (ram) travel	500 mm		
Horizontal rotation of ram	360°		
<b>HORIZONTAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	9 steps		
@ 50 Hz	60~1440 rpm		
@ 60 Hz	65~1500 rpm		
Spindle center to bottom of ram	175 mm		
Spindle center to table	0~450 mm		
<b>MOTOR</b>			
Vertical spindle motor	5 HP		
Horizontal spindle motor	5 HP		
Coolant pump motor	1/8 HP		
<b>SIZE / WEIGHT</b>			
Machine size (L x W x H)	1740 x 1614 x 2007 mm		
Machine packing size (L x W x H)	1753 x 1753 x 2210 mm		
Net weight (approx.)	2350 kgs	2450 kgs	2350 kgs
Gross weight (approx.)	2450 kgs	2450 kgs	2450 kgs

\*Specifications are subject to change without prior notice.



**BMT 6500V**



Vertical head attachment

**BMT 6900VI**



**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 6500V
Table size	370 x 1270 mm
X / Y / Z travel - manual	930 x 520 x 440 mm
X / Y / Z travel - auto	920 x 500 x 420 mm
Table T-slot (Width x No. x pitch)	18 mm x 3 x 80 mm
<b>VERTICAL SPINDLE</b>	
Spindle taper	ISO 40
Spindle speed	Vari. speeds (inverter)
@ 50 Hz & 60 Hz	60~3600 rpm
Spindle nose to table top	85~505 mm
Spindle center to column surface	185~785 mm
Quill travel	140 mm
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm
Head swiveling angle	(R & L) 45°
Overarm (ram) travel	600 mm
Horizontal rotation of ram	360°
<b>HORIZONTAL SPINDLE</b>	
Spindle taper	ISO 40
Spindle speed	9 steps
@ 50 Hz	60~1440 rpm
@ 60 Hz	65~1500 rpm
Spindle center to bottom of ram	175 mm
Spindle center to table	(-)25~395 mm
<b>MOTOR</b>	
Vertical spindle motor	5 HP
Horizontal spindle motor	5 HP
Coolant pump motor	1/8 HP
<b>SIZE / WEIGHT</b>	
Machine size (L x W x H)	2070 x 1900 x 2600 mm
Machine packing size (L x W x H)	2023 x 1905 x 2261 mm
Net weight (approx.)	2650 kgs
Gross weight (approx.)	2800 kgs

\*Specifications are subject to change without prior notice.

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z are square ways.
- Hardened table

**STANDARD ACCESSORIES**

- X/Y axis servo motor
- X/Y axis ballscrew
- Z axis rapid up & down motor
- Auto lubrication system
- Vertical head auto lubrication system
- Inverter driven vertical spindle
- Coolant system & chip tray
- Electric box & control panel
- Horizontal cutter arbor 27mm
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Z axis servo motor
- Enlarged table size 370 x 1470 mm
- Vertical head attachment
- Air power drawbar
- Halogen lamp
- CE standard

- Slideways are hardened and precisely ground.
- X & Y axes are coated with Turcite-B.
- Y & Z are square ways.
- Hardened table

**STANDARD ACCESSORIES**

- X/Y axis ballscrew
- Z axis rapid up & down motor
- Auto lubrication system
- Vertical head auto lubrication system
- Inverter driven vertical spindle for BMT 6900VI
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Z axis servo motor
- Enlarged table size 370 x 1470 mm
- Halogen lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 6900S	BMT 6900V	BMT 6900VI
Table size	370 x 1270 mm		
X / Y / Z travel - manual	930 x 620 x 440 mm		
X / Y / Z travel - auto	930 x 610 x 440 mm		
Table T-slot (Width x No. x pitch)	18 mm x 3 x 80 mm		
<b>VERTICAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	16 steps	Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	62~3000 rpm	75~3165 rpm	60~3600 rpm
@ 60 Hz	75~3600 rpm	90~3800 rpm	60~3600 rpm
Spindle nose to table top	98~538 mm		
Spindle center to column surface	185~785 mm		
Quill travel	140 mm		
Auto. Quill feeds (per revolution)	0.035 / 0.07 / 0.14 mm		
Head swiveling angle	(R & L) 45°		
Overarm (ram) travel	600 mm		
Horizontal rotation of ram	360°		
<b>HORIZONTAL SPINDLE</b>			
Spindle taper	ISO 50		
Spindle speed	9 steps		
@ 50 Hz	60~1440 rpm		
@ 60 Hz	65~1500 rpm		
Spindle center to bottom of ram	175 mm		
Spindle center to table	(-)8~432 mm		
<b>MOTOR</b>			
Vertical spindle motor	5 HP		
Horizontal spindle motor	7.5 HP		
Coolant pump motor	1/8 HP		
<b>SIZE / WEIGHT</b>			
Machine size (L x W x H)	2070 x 2050 x 2600 mm		
Machine packing size (L x W x H)	2160 x 2108 x 2286 mm		
Net weight (approx.)	2600 kgs	2650 kgs	2700 kgs
Gross weight (approx.)	2800 kgs	2800 kgs	2800 kgs

\*Specifications are subject to change without prior notice.



**BMT 3200VH**



**BMT 3200VHV**



- Slideways are hardened and precisely ground.
- Machine body is made from MEEHANITE casting.
- X & Y axis slideways are coated with wear-resistant media.

**STANDARD ACCESSORIES**

- X axis gear type table power feed
- X/Y axis ballscrew
- Y axis with inverter
- Z axis rapid up & down motor
- Auto lubrication system
- Quartz work light
- Coolant system
- Electric box & control panel
- Drawbar
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Vertical spindle with inverter
- Slotting head attachment
- Air power drawbar
- Enlarged vertical motor 7.5 HP
- Table splash guard
- Horizontal milling arbor
- Chip tray
- Digital readout
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 3200VH	BMT 3200VHV	BMT 3200VHI
Table size	300 x 1500 mm		
X / Y / Z travel - manual	1000 x 380 x 460 mm		
X / Y / Z travel - auto	1000 x 380 x 460 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 70 mm		
<b>VERTICAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	16 steps	Vari. speeds	Vari. speeds (inverter)
@ 50 Hz	63~3000 rpm	70~3800 rpm	0~4000 rpm
@ 60 Hz	75~3600 rpm	70~3800 rpm	0~4000 rpm
Spindle nose to table top	0~450 mm		
Spindle center to column surface	90~500 mm		
Quill travel	140 mm	150 mm	
Head swiveling angle	(R & L) 90°		
Overarm (ram) travel	450 mm		
Horizontal rotation of ram	360°		
<b>HORIZONTAL SPINDLE</b>			
Spindle taper	ISO 40		
Spindle speed	9 steps		
@ 60 Hz	90~1320 rpm		
Spindle center to table top	0~460 mm		
Spindle center to Overarm bottom	160 mm		
<b>MOTOR</b>			
Vertical spindle motor	5 HP / 3 HP / 7.5 HP (opt.)	5 HP / 7 HP (opt.)	
Horizontal spindle motor	5 HP		
Coolant pump motor	1/8 HP		
<b>SIZE / WEIGHT</b>			
Machine packing size (L x W x H)	2083 x 2032 x 2083 mm		
Net weight (approx.)	2100 kgs		
Gross weight (approx.)	2300 kgs		

\*Specifications are subject to change without prior notice.





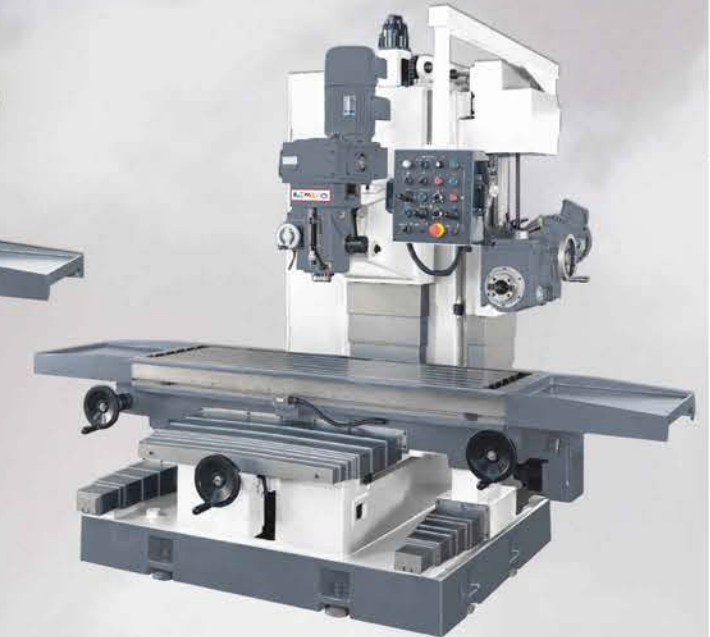
**BMT 2500QM**

**[ BED TYPE ]**

**BMT 2070VHS**



**BMT 2070VHI**



**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2500QM
Table size	350 x 1500 mm
X / Y / Z travel - manual	1150 x 400 x 500 mm
Table T-slot (Width x No. x pitch)	16 mm x 5 x 60 mm
Rotary movement of table	(R & L) 45°
Max. load capacity	600 kgs
<b>VERTICAL SPINDLE</b>	
Spindle taper	ISO 40
Spindle speed	Vari. speeds
@ 50 Hz	60~3100 rpm
@ 60 Hz	70~3600 rpm
<b>HORIZONTAL SPINDLE</b>	
Spindle taper	ISO 40
Spindle speed	12 steps
@ 50 Hz	40~1800 rpm
@ 60 Hz	48~2160 rpm
Diameter of main shaft nose	88.88~128.57 mm
Milling arbor diameter	27 mm
Spindle center to Overarm bottom	155 mm
<b>MOTOR</b>	
Vertical spindle motor	5 HP
Horizontal spindle motor	7.5 HP / 10 HP (opt.)
V-belts motor	4 HP
Coolant pump motor	1/8 HP
<b>SIZE / WEIGHT</b>	
Machine packing size (L x W x H)	1900 x 2300 x 2300 mm
Net weight (approx.)	3200 kgs
Gross weight (approx.)	3400 kgs

\*Specifications are subject to change without prior notice.

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 2070VHS	BMT 2070VHI
Table size	520 x 1800 mm	
X / Y / Z travel - manual	1500 x 630 x 600 x (H) 550 mm	
X / Y / Z travel - auto	1500 x 630 x 600 x (H) 550 mm	
Table T-slot (Width x No. x pitch)	18 mm x 5 x 80 mm	
<b>VERTICAL SPINDLE</b>		
Spindle taper	ISO 50	ISO 40
Spindle speed	6 steps	Vari. speeds (inverter)
@ 50 Hz	92~593 rpm	60~3600 rpm
@ 60 Hz	112~713 rpm	60~3600 rpm
Spindle nose to table top	65~665 mm	75~675 mm
Spindle center to column surface	660 mm	520 mm
Quill travel	-	140 mm
Auto. Quill feeds (per revolution)	-	0.035 / 0.07 / 0.14 mm
Head swiveling angle	FIXED	(R & L) 45°
<b>HORIZONTAL SPINDLE</b>		
Spindle taper	ISO 50	
Spindle speed	6 steps	
@ 50 Hz	100~590 rpm	
<b>MOTOR</b>		
Vertical spindle motor	10 HP	5 HP
Horizontal spindle motor	7.5 HP	
Coolant pump motor	1/8 HP	
<b>SIZE / WEIGHT</b>		
Machine size (L x W x H)	3050 x 2675 x 2590 mm	
Machine packing size (L x W x H)	2591 x 2286 x 2540 mm	
Net weight (approx.)	6600 kgs	6400 kgs
Gross weight (approx.)	7000 kgs	6700 kgs

\*Specifications are subject to change without prior notice.

- Slideways, tables, gears and shafts are hardened & ground.
- X, Y & Z axes are wider square ways.
- Y axis is coated with Turcite-B.
- Machine body is made from MEEHANITE casting.

**STANDARD ACCESSORIES**

- X/Y/Z axis auto & rapid feeds with inverter
- Swivel table (45°)
- Horizontal milling arbor 27 mm
- Drawbar
- Coolant system
- Tools & tool box

**OPTIONAL ACCESSORIES**

- X/Y axis ballscrew
- Enlarged table size 350 x 1850 mm
- Enlarged motor 10 HP without brake
- Vertical spindle with variable speed
- Horizontal spindle with variable speed
- Overarm auto feed
- Air power drawbar
- Auto lubrication system
- Horizontal & vertical rotary table
- Brake motor
- Universal dividing head
- Work light
- Chip tray
- Digital readout
- CE standard

- Double V type slideways on X & Y axes.
- Vertical gear type solid head for BMT 2070VHS.
- Vertical inverter turret head for BMT 2070VHI.
- Horizontal gear type solid head for both models.

**STANDARD ACCESSORIES**

- X/Y/Z/H axis AC servo motor
- X/Y/Z/H axis double nut ballscrew
- Y/Z/H axis telescopic cover
- Z/H axis MPG system
- Auto lubrication system
- Vertical head auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Air power drawbar
- Rear splash guard
- Halogen lamp
- CE standard







**BEMATO**<sup>®</sup>

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**UNIVERSAL  
MILLING MACHINE**

**P75~P82**

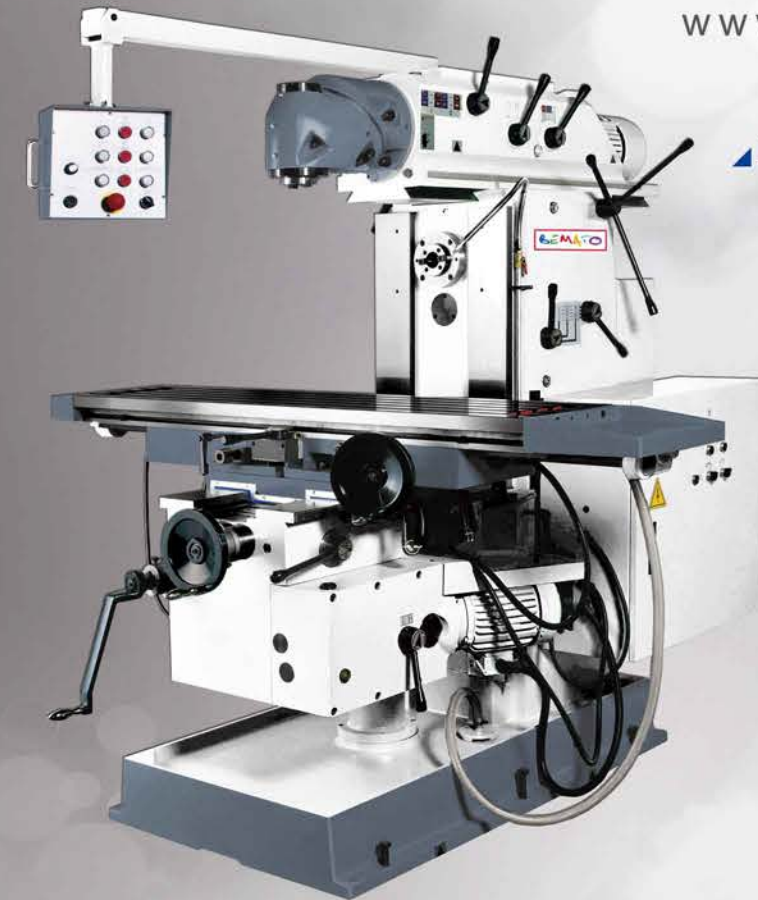




▲ **BMT 2500U**



▲ **BMT 2500US**



▲ **BMT 2500UM**



▲ **BMT 2500M**

### SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 2500US	BMT 2500U
Table size	300 x 1300 mm	350 x 1500 mm
X / Y / Z travel - manual	950 x 380 x 450 mm	1150 x 400 x 500 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 70 mm	16 mm x 5 x 60 mm
Rotary movement of table	(R & L) 45°	
Max. load capacity	500 kgs	600 kgs
<b>VERTICAL SPINDLE</b>		
Spindle taper	ISO 40 / ISO 50	
Spindle speed	12 steps	
@ 50 Hz	40~1800 rpm	
@ 60 Hz	48~2160 rpm	
<b>HORIZONTAL SPINDLE</b>		
Spindle taper	ISO 40 / ISO 50	
Spindle speed	12 steps	
@ 50 Hz	40~1800 rpm	
@ 60 Hz	48~2160 rpm	
Diameter of main shaft nose	88.88 mm	88.88~128.57 mm
Milling arbor diameter	27 mm	
Spindle center to Overarm bottom	155 mm	
<b>MOTOR</b>		
Horizontal spindle motor	5 HP / 10 HP (opt.)	7.5 HP / 10 HP (opt.)
V-belts motor	4 HP	
Coolant pump motor	1/8 HP	
<b>SIZE / WEIGHT</b>		
Machine packing size (L x W x H)	1700 x 2200 x 2200 mm	1900 x 2300 x 2300 mm
Net weight (approx.)	2500 kgs	3100 kgs
Gross weight (approx.)	2700 kgs	3300 kgs

\*Specifications are subject to change without prior notice.

- Slideways, tables, gears and shafts are hardened & ground.
- X, Y & Z axes are wider square ways.
- Y axis is coated with Turcite-B.
- Machine body is made from MEEHANITE casting.

#### STANDARD ACCESSORIES

- X/Y/Z axis auto & rapid feeds with inverter
- Swivel table (45°)
- Horizontal milling arbor 27 mm
- Drawbar
- Coolant system
- Tools & tool box

#### OPTIONAL ACCESSORIES

- X/Y axis ballscrew
- Enlarged table size 350 x 1850 mm
- Enlarged motor 10 HP without brake
- Horizontal spindle with variable speed
- Overarm auto feed
- Air power drawbar
- Auto lubrication system
- Horizontal & vertical rotary table
- Brake motor
- Universal dividing head
- Work light
- Chip tray
- Digital readout
- CE standard

- Slideways, tables, gears and shafts are hardened & ground.
- X, Y & Z axes are wider square ways.
- Y axis is coated with Turcite-B.
- Machine body is made from MEEHANITE casting.

#### STANDARD ACCESSORIES

- X/Y/Z axis auto & rapid feeds with inverter
- Swivel table (45°)
- Horizontal milling arbor 27 mm
- Drawbar
- Coolant system
- Tools & tool box

#### OPTIONAL ACCESSORIES

- X/Y axis ballscrew
- Enlarged table size 350 x 1850 mm
- Enlarged motor 10 HP without brake
- Vertical spindle with variable speed
- Horizontal spindle with variable speed
- Overarm auto feed
- Air power drawbar
- Auto lubrication system
- Horizontal & vertical rotary table
- Brake motor
- Universal dividing head
- Work light
- Chip tray
- Digital readout
- CE standard

### SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 2500UM / BMT 2500M
Table size	350 x 1500 mm
X / Y / Z travel - manual	1150 x 400 x 500 mm
Table T-slot (Width x No. x pitch)	16 mm x 5 x 60 mm
Rotary movement of table	(R & L) 45°
Max. load capacity	600 kgs
<b>VERTICAL SPINDLE</b>	
Spindle taper	ISO 40 / ISO 50
Spindle speed	12 steps
@ 50 Hz	35~1600 rpm
@ 60 Hz	42~1960 rpm
<b>HORIZONTAL SPINDLE</b>	
Spindle taper	ISO 40 / ISO 50
Spindle speed	12 steps
@ 50 Hz	40~1800 rpm
@ 60 Hz	48~2160 rpm
Diameter of main shaft nose	88.88~128.57 mm
Milling arbor diameter	27 mm
Spindle center to Overarm bottom	155 mm
<b>MOTOR</b>	
Vertical spindle motor	5.5 HP
Horizontal spindle motor	7.5 HP / 10 HP (opt.)
V-belts motor	4 HP
Coolant pump motor	1/8 HP
<b>SIZE / WEIGHT</b>	
Machine packing size (L x W x H)	1900 x 2300 x 2300 mm
Net weight (approx.)	3200 kgs
Gross weight (approx.)	3400 kgs

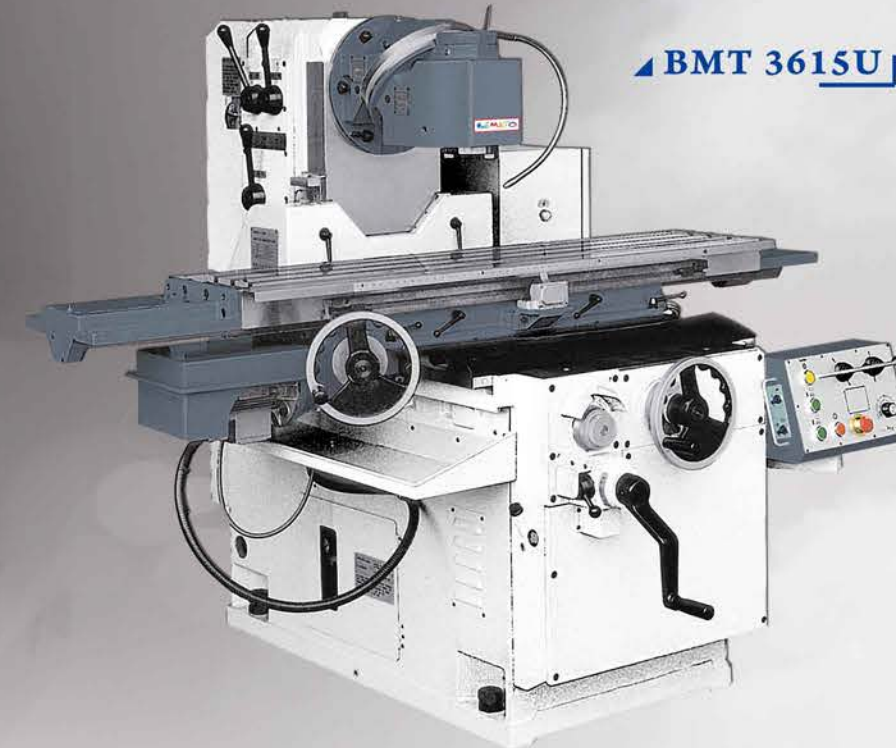
\*Specifications are subject to change without prior notice.



[ BED TYPE ]



▲ BMT 3615UH



▲ BMT 3615U

- Slideways are precisely ground.
- Gears are hardened and ground.

STANDARD ACCESSORIES

- X/Y/Z axis variable feed speed
- Auto lubrication system
- Drawbar
- Coolant system
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y/Z axis ballscrew
- Y axis telescopic cover
- Enlarged motor 10 HP or 15 HP
- Electric auto spindle brake system
- Hydraulic tool clamping system
- Security table guard
- Horizontal milling arbor
- Face milling cutter
- Arm type or hanging panel
- Digital readout
- CE standard



▲ BMT 3615UB

SPECIFICATION:

\*Machine shown with optional accessories

Description	BMT 3615UH	BMT 3615UB	BMT 3615U
Table size	360 x 1500 mm		
X / Y / Z travel - manual	1000 x 540 x 430 mm	1000 x 540 x 430 mm	1000 x 380 x 430 mm
Table T-slot (Width x No. x pitch)	18 mm x 4 x 80 mm		
Max. load capacity	800 kgs		
Spindle taper	ISO 50		
Spindle speed	12 steps		
@ 50 Hz	40~1750 rpm		
<b>VERTICAL SPINDLE</b>			
Spindle nose to table top	90~520 mm	90~520 mm	50~480 mm
Spindle center to column surface	500 mm	420 mm	350 mm
<b>HORIZONTAL SPINDLE</b>			
Spindle center to table	90~520 mm	90~520 mm	50~480 mm
Spindle nose to column surface	500 mm	420 mm	350 mm
<b>MOTOR</b>			
Spindle motor	7.5 HP / 10 HP (opt.) / 15 HP (opt.)		
Coolant pump motor	1/8 HP		
<b>SIZE / WEIGHT</b>			
Machine size (L x W x H)	2050 x 2535 x 1800 mm		
Floor space	3050 x 2535 mm		
Net weight (approx.)	2900 kgs	2900 kgs	2600 kgs

\*Specifications are subject to change without prior notice.



[ BED TYPE ]

▲ BMT 4018UH



▲ BMT 4018UB

[ BED TYPE ]

▲ BMT 5422UV



SPECIFICATION:

\*Machine shown with optional accessories

- Slideways are precisely ground.
- Gears are hardened and ground.

STANDARD ACCESSORIES

- X/Y/Z axis variable feed speed
- Auto lubrication system
- Drawbar
- Coolant system
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y/Z axis ballscrew
- X/Y axis telescopic cover
- Enlarged motor 10 HP or 15 HP
- Enlarged table size 450 x 1800 mm
- Electric auto spindle brake system
- Hydraulic tool clamping system
- Security table guard
- Horizontal milling arbor
- Face milling cutter
- Arm type or hanging panel
- Digital readout
- CE standard

Description	BMT 4018UH	BMT 4018UB
Table size	400 x 1800 mm	
X / Y / Z travel - manual	1250 x 540 x 470 mm	
Table T-slot (Width x No. x pitch)	18 mm x 4 x 80 mm	
Max. load capacity	1000 kgs	
Spindle taper	ISO 50	
Spindle speed	12 steps	
@ 50 Hz & 60 Hz	40~1750 rpm	
VERTICAL SPINDLE		
Spindle nose to table top	50~520 mm	
Spindle center to column surface	500 mm	420 mm
HORIZONTAL SPINDLE		
Spindle center to table	50~520 mm	
Spindle nose to column surface	500 mm	420 mm
MOTOR		
Spindle motor	7.5 HP / 10 HP (opt.) / 15 HP (opt.)	
Coolant pump motor	1/8 HP	
SIZE / WEIGHT		
Machine size (L x W x H)	3000 x 2535 x 1830 mm	
Floor space	4250 x 2535 mm	
Net weight (approx.)	3200 kgs	

\*Specifications are subject to change without prior notice.

SPECIFICATION:

\*Machine shown with optional accessories

- Slideways are precisely ground.
- Gears are hardened and ground.

STANDARD ACCESSORIES

- X/Y/Z axis variable feed speed
- X/Y axis telescopic cover
- Auto lubrication system
- Coolant system
- Tools & tool box

OPTIONAL ACCESSORIES

- X/Y/Z axis ballscrew
- 15 HP spindle motor - inverter
- Electric auto spindle brake system
- Hydraulic tool clamping system
- Security table guard
- Horizontal milling arbor
- Digital readout
- CE standard

Description	BMT 5422UV
Table size	540 x 2200 mm
X / Y / Z travel - manual	1600 x 710 x 710 mm
Table T-slot (Width x No. x pitch)	18 mm x 6 x 80 mm
Max. load capacity	1500 kgs
Spindle taper	ISO 50
Spindle speed	8 steps
@ 50 Hz & 60 Hz	120~1500 rpm
VERTICAL SPINDLE	
Spindle nose to table top	50~760 mm
Spindle center to column surface	750 mm
HORIZONTAL SPINDLE	
Spindle center to table	50~760 mm
Spindle nose to column surface	750 mm
MOTOR	
Spindle motor	15 HP
Coolant pump motor	1/4 HP
SIZE / WEIGHT	
Machine size (L x W x H)	2850 x 3060 x 2700 mm
Floor space	2850 x 5100 mm
Net weight (approx.)	6500 kgs

\*Specifications are subject to change without prior notice.



[ DECKLE MAHO TYPE ]

**BMT 3013**



**BMT 3520**



- Slideways are hardened and precisely ground on the column & vertical table surface
- Automatic feeding in X, Y & Z axes by inverter.
- BMT 3520: X & Y axes are dovetail way; Z axis is square way
- BMT 3013: X, Y & Z axes are dovetail way.
- Geared transmission for spindle speed
- The operating control panel with swivel arm type.

**STANDARD ACCESSORIES**

- X/Y axis ballscrew
- X/Z axis rubber front cover
- X/Y/Z axis safety handle
- Z axis ballscrew for BMT 3520
- Complete control panel assembly
- 4 pcs of long cutter arbor
- 3 pcs of reducing sleeves
- 8 pcs of collets
- One-piece drawbar for horizontal & vertical
- One-shot lubrication system
- Outer arbor support for horizontal milling
- Safety table guard w/ interlock switch
- Removable electrical cabinet assembly
- Coolant system & chip tray
- Level pad & bolts
- Halogen lamp
- Tools & tool box

**OPTIONAL ACCESSORIES**

- Z axis ballscrew for BMT 3013
- Auto lubrication system
- Air power drawbar
- BS-2 universal dividing head
- Stainless front cover
- Stainless telescoping cover for Z axis
- Digital readout
- Fully enclosed splash guard
- LED lamp
- CE standard

**SPECIFICATION:**

\*Machine shown with optional accessories

Description	BMT 3013	BMT 3520
Table size	320 x 750 mm	500 x 900 mm
Vertical table size	250 x 830 mm	250 x 1200 mm
X / Y / Z travel - manual	400 x 200 x 360 mm	600 x 480 x 360 mm
X / Y / Z travel - auto	360 x 180 x 330 mm	585 x 460 x 330 mm
Table T-slot (Width x No. x pitch)	14 mm x 5 x 63 mm	14 mm x 7 x 63 mm
Vertical Table T-slot (W x No. x pitch)	14 mm x 2 x 126 mm	14 mm x 3 x 63 mm
<b>VERTICAL SPINDLE</b>		
Spindle taper	ISO 40	
Spindle speed	12 steps	
@ 50 Hz	50~2000 rpm	40~2000 rpm
@ 60 Hz	60~2400 rpm	48~2400 rpm
Spindle nose to table top	65~458 mm	58~460 mm
Quill travel	125 mm	
Head swiveling angle	(R & L) 90°	
Overarm (ram) travel	368 mm	485 mm
<b>HORIZONTAL SPINDLE</b>		
Spindle taper	ISO 40	
Spindle speed	12 steps	
@ 50 Hz	50~2000 rpm	40~2000 rpm
Spindle center to column surface	280~458 mm	165~550 mm
Spindle center to bottom of ram	63 mm	80 mm
Spindle center to table	35~415 mm	95~475 mm
<b>MOTOR</b>		
Spindle motor	3 HP	5 HP
Coolant pump	1/8 HP	
<b>SIZE / WEIGHT</b>		
Machine size (L x W x H)	1200 x 1300 x 1800 mm	1500 x 1800 x 1950 mm
Machine packing size (L x W x H)	1480 x 1850 x 2120 mm	1730 x 1940 x 2150 mm
Net weight (approx.)	1380 kgs	1770 kgs
Gross weight (approx.)	1460 kgs	1870 kgs

\*Specifications are subject to change without prior notice.



