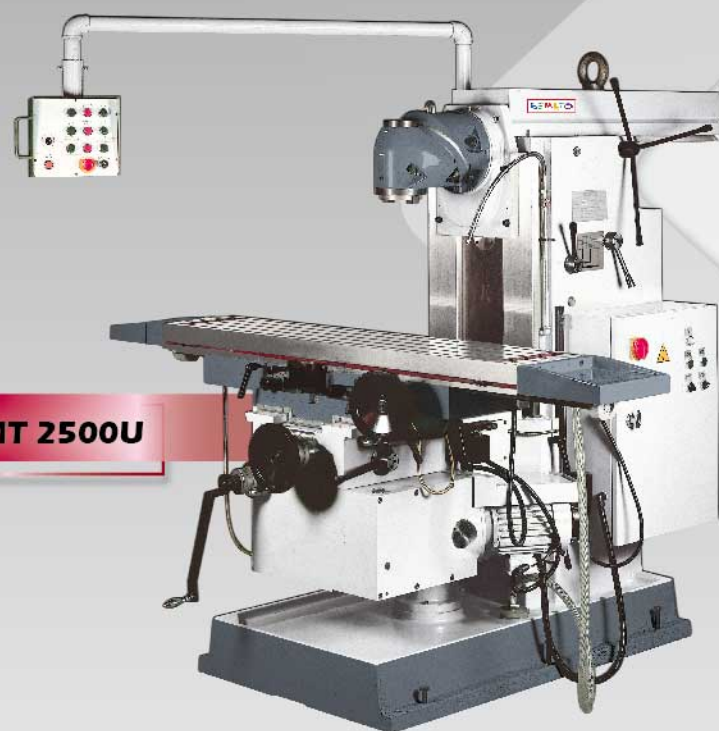




BMT 2070VHS



BMT 2500U

BEMATO®
STRIVING FOR SERVICE
AND SATISFACTION
SINCE 1976

BENIGN ENTERPRISE CO., LTD.
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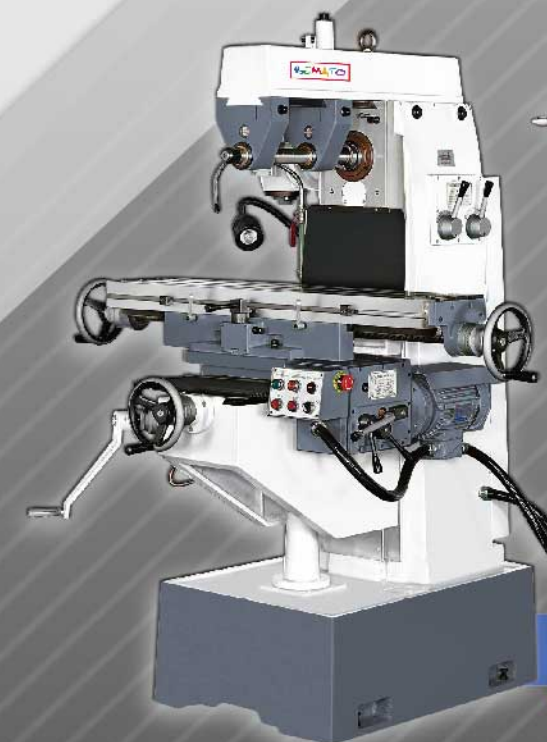
BEMATO 2018.11 003

BEMATO

MILLING MACHINE

BEMATO®

MILLING MACHINE



BMT 1100HU



BMT 1500V



STRIVING FOR SERVICE
AND SATISFACTION



Company Profile

COMPANY NAME : BENIGN ENTERPRISE CO., LTD.
ADDRESS : P.O.BOX 747, SUITE 4, 5F., NO.20, TA-LONG ROAD,
TAICHUNG, TAIWAN
TEL : 886-4-23233016
FAX : 886-4-23232826, 23238341
E-MAIL : 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..)



BENIGN ENTERPRISE Co., LTD.

www.e-bemato.com

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**VERTICAL
MILLING MACHINE**

P1~P46



▲ BMT 830



▲ BMT 830I



▲ BMT 830I2

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 @ 50 Hz	9 speeds, 230~3200 rpm	Vari. speeds (inverter), 200~2250 rpm	
Spindle to table surface	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 arm	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.

- 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

- 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

SPECIFICATION:

*Machine shown with optional accessories

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 arm	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.

▲ BMT 1250V
Variable speed



▲ BMT 1250S
Step speed



▲ BMT 1300VA



▲ BMT 1300VS



▲ BMT 1350VH



BMT 1350SH / 1400SH
8-STEP
SPEED HEAD



▲ BMT 1400VH

- 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

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

OPTIONAL ACCESSORIES

- X / Y axis table power feed
- Enlarged table size 300 x 1500 mm
- Table splash guard
- Magnetic scale
- MPG handwheel
- Coolant system & chip tray
- Halogen lamp
- CE standard

SPECIFICATION:

*Machine shown with optional accessories

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 @ 60 Hz	16 steps, 75~3600 rpm	Vari. speeds (inverter), 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	5 HP	
Coolant pump motor	1/6 HP	
Machins 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.

SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 1350SH / 1350VH / 1350IH	BMT 1440SH / 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 @ 60 Hz	8 steps / Vari. speeds / Vari. speeds (inverter) 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

BMT 1500S



BMT 1500SS



BMT1500VS



SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 1500S
Table size	230 x 1067 mm
X / Y / Z travel - manual	720 x 330 x 406 mm
X / Y / Z travel - auto	630 x 310 x 395 mm
Table T-slot (Width x No. x pitch)	16 mm x 3 x 63 mm
Spindle taper	R8 / ISO 30
Spindlespeed	8 steps
@ 50 Hz	66~2265 rpm
@ 60 Hz	80~2720 rpm
Spindle nose to table top	55~461 mm
Spindle center to column surface	145~525 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	380 mm
Horizontal rotation of arm	360°
Spindle motor	2 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.)	1050 kgs

*Specifications are subject to change without prior notice.

- 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 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 @ 60 Hz	8 steps, 80~2750 rpm	Var. speeds, 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 arm	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



BMT 1500VY
Variable speed



BMT 1500SY
Step speed

- 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 rpm	
Spindle center to column surface	160~490 rpm	
Quill travel	127 mm	
Auto. Quill feeds (per revolution)	0.04 / 0.08 / 0.15 mm	
Heads swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	350 mm	
Horizontal rotation of arm	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 1540VA
Step speed



BMT 1540VS
Variable speed

- 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

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 @ 60 Hz	16 steps, 75~3600 rpm	Vari. speeds (inverter) 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.



▲ BMT 1550VS



▲ BMT 1550VA



▲ BMT 2000S

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 @ 60 Hz	16 steps, 75~3600 rpm	Vari. speeds (inverter) 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	
Heads swiveling angle	(R & L) 45°	
Overarm (ram) travel	410 mm	
Horizontal rotation of arm	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
Table size	254 x 1270 mm
X / Y / Z travel - manual	775 x 380 x 395 mm
X / Y / Z travel - auto	700 x 360 x 375 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
@ 50 Hz	66~2265 rpm
@ 60 Hz	80~2720 rpm
Spindle nose to table top	45~440 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 arm	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.)	1150 kgs
Gross weight (approx.)	1350 kgs

*Specifications are subject to change without prior notice.



▲ BMT 2000VI



▲ BMT 2010IH



BMT 2010SH
8-STEP
SPEED HEAD



▲ BMT 2020SH



BMT 2020IH
VARIABLE
SPEED HEAD

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 @ 50 Hz	Vari. speeds (inverter), 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.

- 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

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)	R8 / ISO 40 (Quill Dia: 100 mm)
Spindle speed	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 tp 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.

- 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

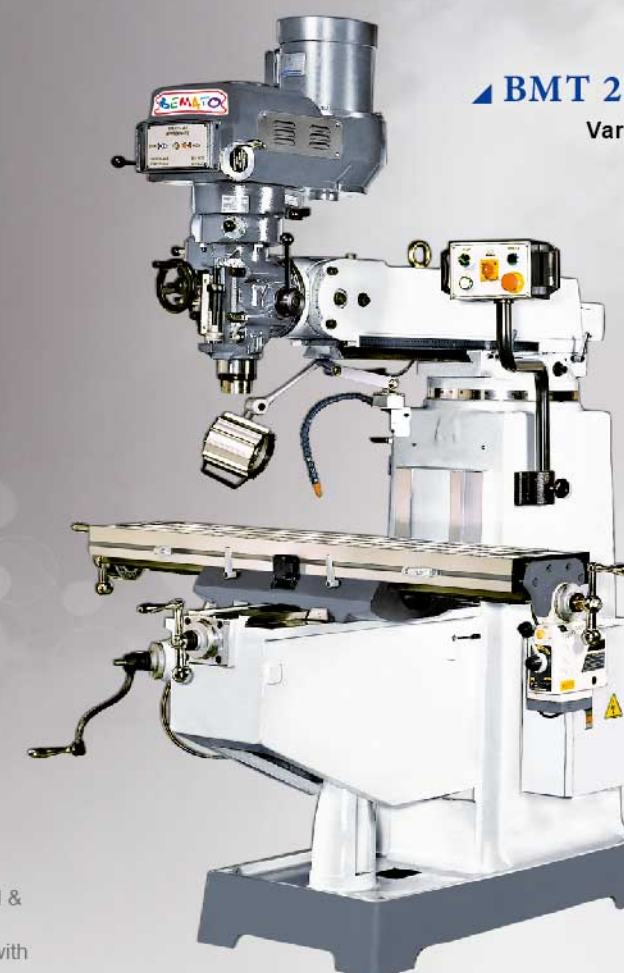
- X/Y axis table power feed
- Z axis rapid up & down motor
- ISO 40 spindle for BMT 2010SH / 2010VH / 2010IH
- Coolant system & chip tray
- Electric box & control panel
- CE standard



BMT 2000SS



BMT 2000VS



BMT 2000VY
Variable speed



BMT 2000SY
Step speed

- 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 @ 60 Hz	8 steps, 80~2720 rpm	Vari. speeds, 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.

- 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	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	
Heads swiveling angle	(R & L) 90° / (F & B) 45°	
Overarm (ram) travel	508 mm	
Horizontal rotation of arm	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.



▲ 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 2300VY
Mechanical
variable speed



▲ BMT 2300SY
Step 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 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.

▲ BMT 2500S



▲ BMT 2500SS



▲ BMT 2500VS



SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 2500S
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 @ 60 Hz	10 steps, 70~3600 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

- 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
- 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
@ 50 Hz	65~2800 rpm	60~2800 rpm
@ 60 Hz		60~3600 rpm
Spindle nose to table	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.



▲ BMT 3000S



▲ BMT 3000V

- 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

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
	@ 50 Hz	60~2800 rpm
	@ 60 Hz	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.



▲ BMT 3100SY

Step speed



▲ BMT 3100VY

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

- 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 Hz	80~2720 rpm / 80~5440 rpm (opt.)
Spindle nose to table top	50~570 mm	
Spindle center to column surface	220~750 mm	
Quill travel	127 mm	
Auto. Quill feed (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	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



SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 3500S	
Table size	300 x 1270 mm / 300 x 1470 mm (opt.)	
X / Y / Z travel - manual	930 x 350 x 450 mm	
X / Y / Z travel - auto	920 x 370 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	
	@ 50 Hz	
	@ 60 Hz	
Spindle nose to table top	45~495 mm	
Spindle center to column	130~550 mm	
Quill travel	127 mm	
Auto. Quill feed (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.

[BED TYPE]

BMT 1450V



BMT 1450R



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 / 370 x 1470 mm (opt.)	
X / Y / Z travel - manual	930 x 430 x 540 mm	
X / Y / Z travel - auto	920 x 410 x 530 mm	
Table T-slot (Width x No. x pitch)	18 mm x 3 x 80 mm	
Spindle taper	ISO 40	
Spindle speed	Vari. speeds (inverter)	
	@ 50 Hz	60~3600 rpm
	@ 60 Hz	60~1500 rpm
Spindle nose to table top	130~660 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 1856 x 2479 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

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 @ 60 Hz	Vari. speeds, 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.
- 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 axis gear type auto & rapid feed
- Z axis rapid up & down motor
- Leveling pads
- Auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

OPTIONAL ACCESSORIES

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



▲ BMT 4100SY

Step speed



▲ BMT 4000VY

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

- 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.)	60~3600 rpm / 70~4200 rpm (opt.)
@ 60 Hz	80~2720 rpm / 80~5440 rpm (opt.)	70~4200 rpm
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.



▲ BMT 4500V



▲ BMT 5000S

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 @ 60 Hz	Vari speeds (inverter), 72~4200 rpm
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.

- 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

- 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:

*Machine shown with optional accessories

Description	BMT 5000S	BMT 5000VI
Table size	300 x 1270 mm / 300 x 1470 mm (opt.)	
X / Y / Z travel - manual	930 x 390 x 450 mm	
X / Y / Z travel - auto	920 x 370 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 (inverter) 60~3600 rpm
@ 50 Hz	62~3000 rpm	
@ 60 Hz	75~3600 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 1600 x 2400 mm	
Machine packing size (L x W x H)	1727 x 1626 x 2108 mm	
Net weight (approx.)	1650 kgs	1750 kgs
Gross weight (approx.)	1950 kgs	

*Specifications are subject to change without prior notice.

BMT 6300S



BMT 6300V



SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 6300S	BMT 6300V
Table size	370 x 1270 mm / 370 x 1470 mm (opt.)	
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	62~3000 rpm	60~3600 rpm
@ 60 Hz	75~3600 rpm	
Spindle nose to table top	0~500 mm	
Spindle center to column	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	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	2350 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

[BED TYPE]

BMT 6800VY

Mechanical variable speed



BMT 6800SY

Step 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
- 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	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.)	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	406 x 1372 mm
X / Y / Z travel - manual	1000 x 450 x 570 mm
X / Y / Z travel - auto	1000 x 450 x 570 mm
Table T-slot (Width x No.)	16 mm x 5
Spindle taper	ISO 40 (Quill Dia: 105 mm)
Spindle speed @ 60 Hz	Vari. speeds, 60~3600 rpm Vari. speeds (inverter), 50~5000 rpm
Spindle nose to table top	90~750 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 / 7.5 HP (opt.)
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]

▲ BMT 7500SY

Step speed



- 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.



▲ BMT 7500VY

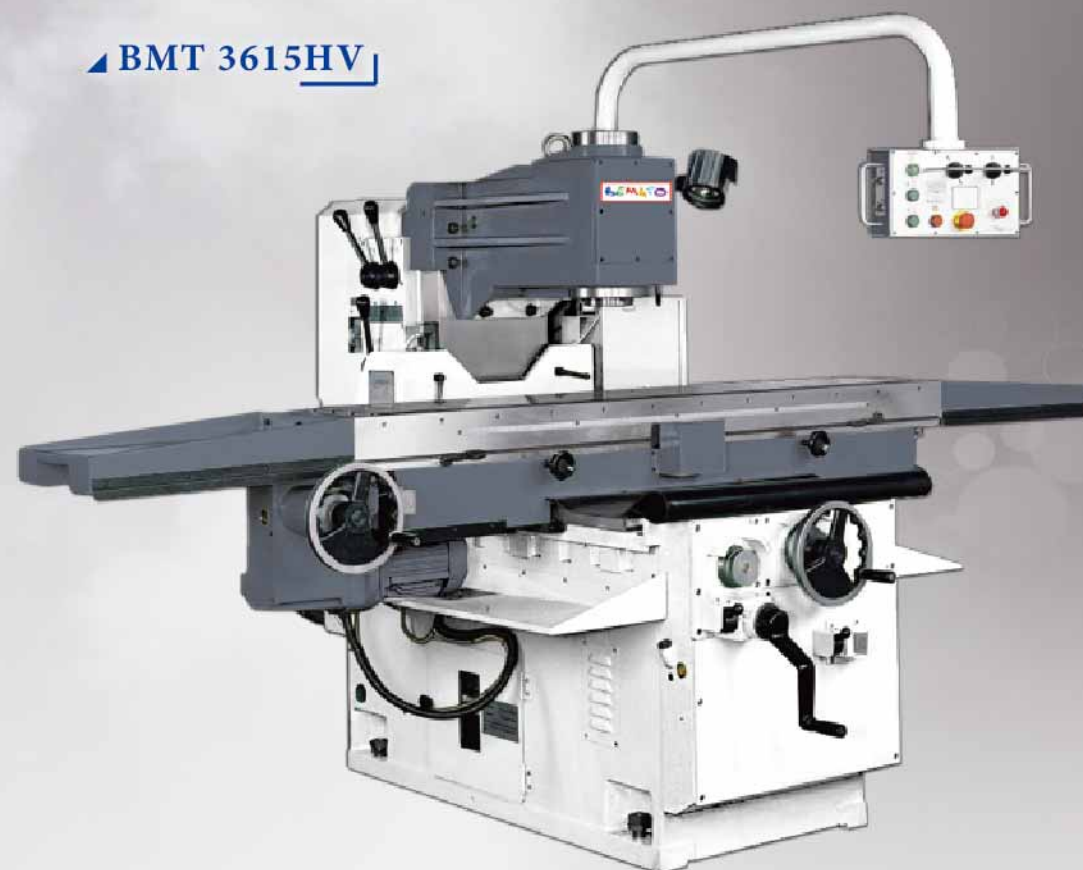
Mechanical variable speed



▲ Inverter variable speed
Optional accessories

[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 @ 50 Hz	8 steps, 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



▲ BMT 1458R



SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 1458V	BMT 1458R
Table size	350 x 1470 mm	
X / Y / Z travel - manual	1200 x 520 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 2614 mm	
Net weight (approx.)	4000 kgs	4100 kgs

*Specifications are subject to change without prior notice.

- 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

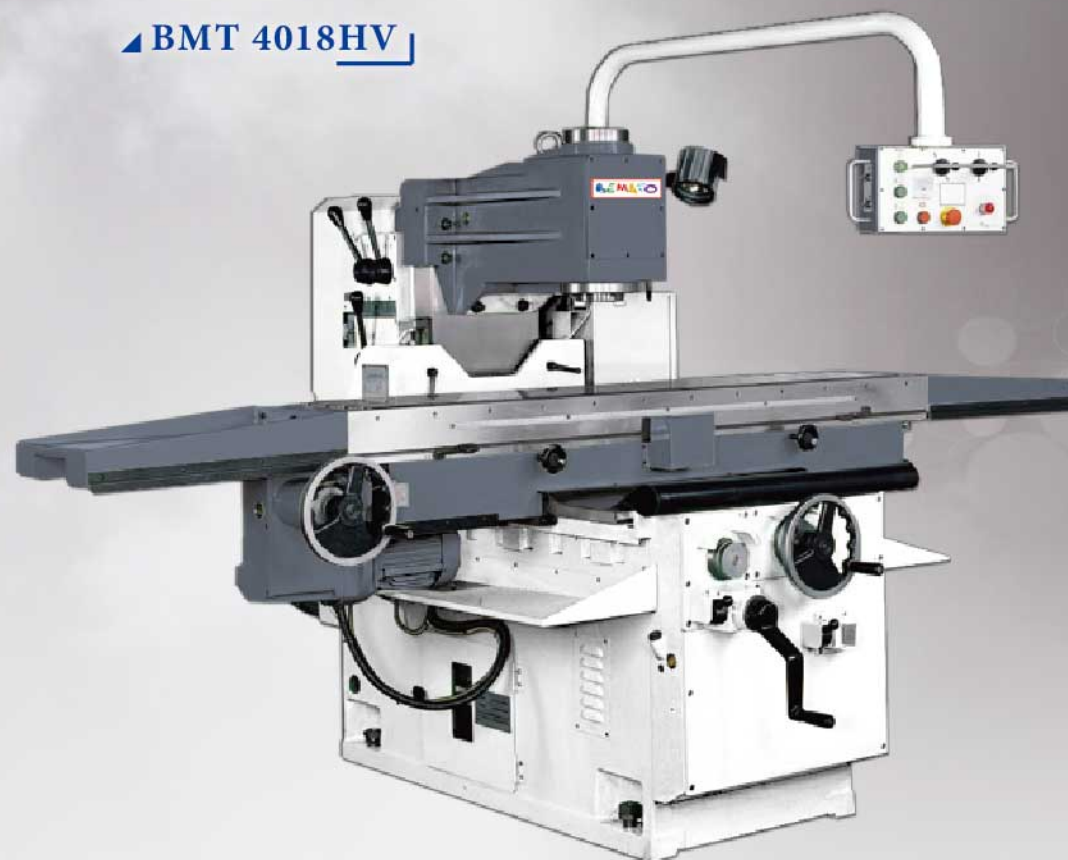
- X/Y/Z axis servo motor
- X/Y/Z axis double nut ballscrew
- Y/Z axis telescopic cover
- Z axis MPG system
- Auto lubrication system
- Vertical head auto lubrication system
- Coolant system & chip tray
- Electric box & control panel
- Tools & tool box

OPTIONAL ACCESSORIES

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

[BED TYPE]

▲ BMT 4018HV



- 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 4018HV
Table size	400 x 1800 mm
X / Y / Z travel - manual	1250 x 570 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 @ 50 Hz / 60 Hz	8 steps, 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
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.

[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:

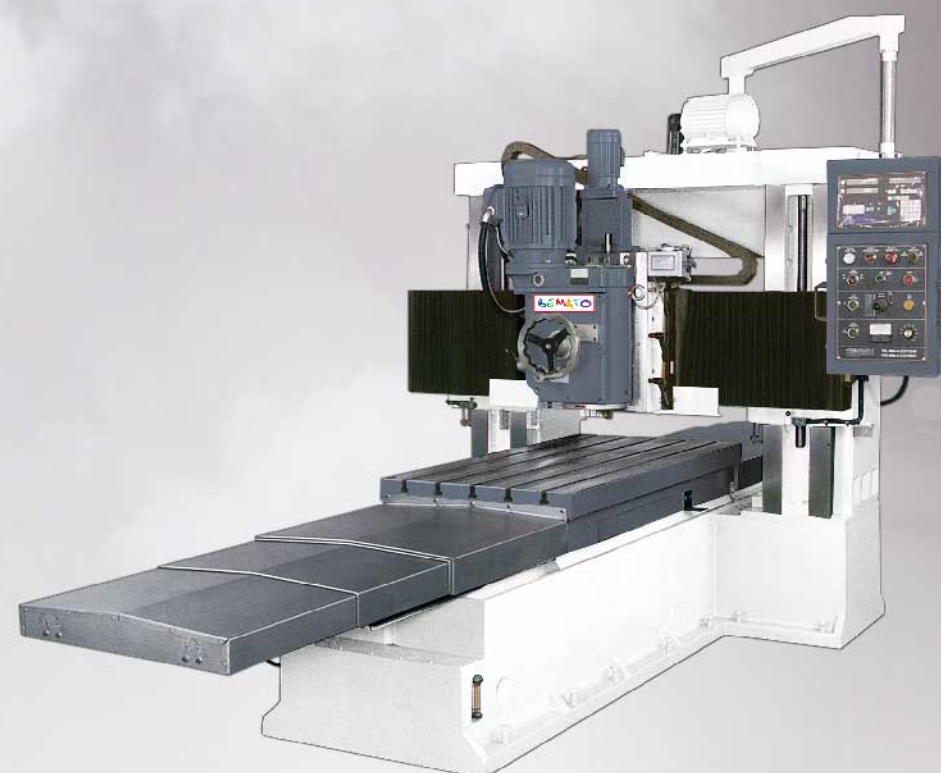
*Machine shown with optional accessories

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
- Digital readout system
- CE standard

SPECIFICATION:

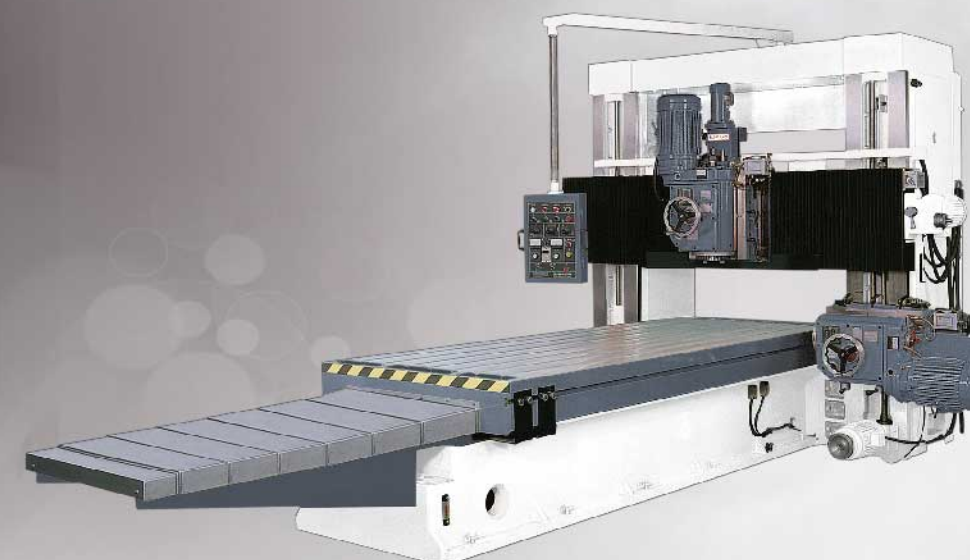
*Machine shown with optional accessories

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:

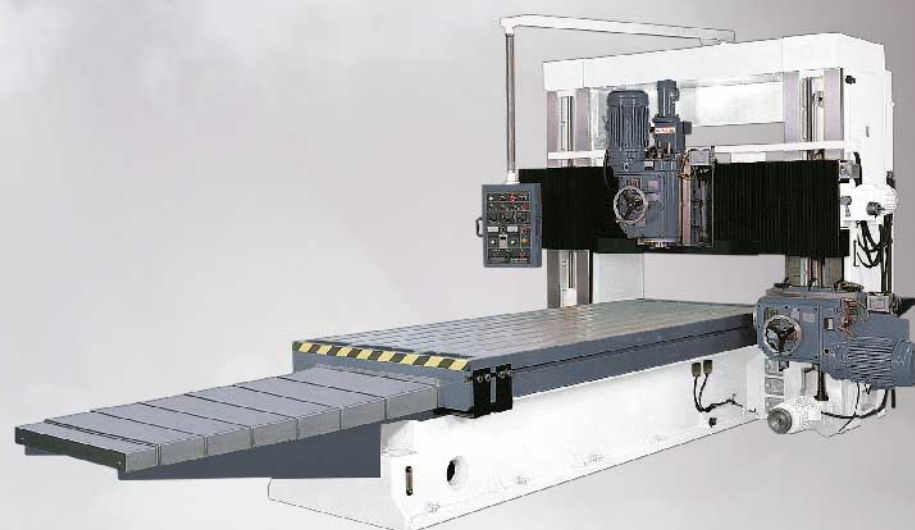
*Machine shown with optional accessories

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.)			
Spindle 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

SPECIFICATION:

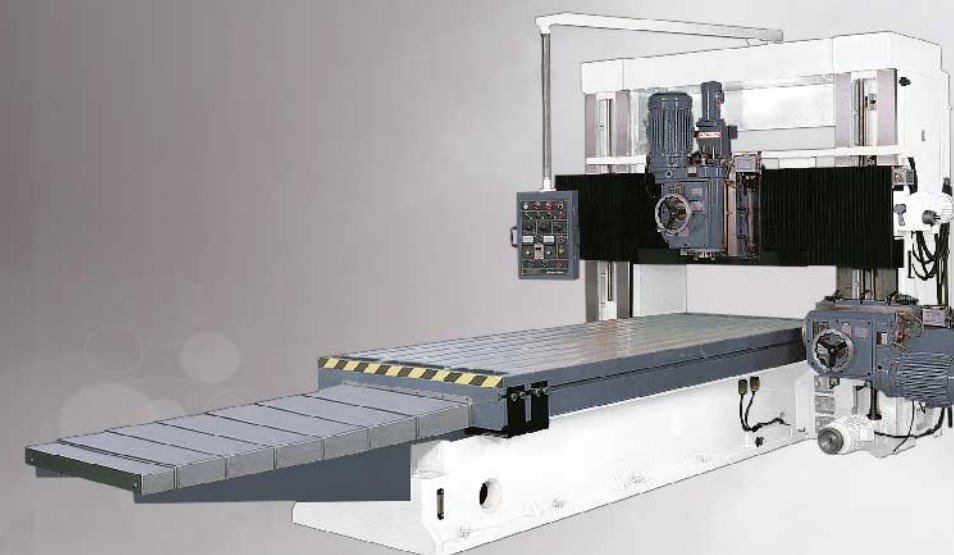
*Machine shown with optional accessories

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

SPECIFICATION:

*Machine shown with optional accessories

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 4500 x 3980 mm	12780 x 4500 x 3980 mm	15000 x 4500 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
- Increase spindle nose to table surface to 2000 mm or 2500 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

*Machine shown with optional accessories

SPECIFICATION:

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	800 x 2500 x 300 mm	1000 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	1000 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 12040CHM
- 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

SPECIFICATION:				
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	
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		Grae 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.

[DOUBLE COLUMN]

▲ BMT 8055CHM / BMT 10055CHM
BMT 12055CHM



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 8055CHM, BMT 10055CHM & BMT 12055CHM
- 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

Descrption	BMT 8055CHM	BMT 10055 CHM	BMT 12055CHM
Table size	4000 x 8000 mm	4000 x 10000 mm	4000 x 12000 mm
X / Y / Z travel - manual	8000 x 5500 x 300 mm	10000 x 5500 x 300 mm	12000 x 5500 x 300 mm
Distance between column	5550 mm		
Spindle nose to table top	2000 mm / 2500 mm (opt.) / 3000 mm / 3500 mm (opt.) / 4000 mm (opt.)		
Driving system	Gear type / ballscrew (opt.)		
Spindle motor	10 HP / 15 HP (opt.)		
Side head motor	10 HP		
Machine size (L x W x H)	19800 x 8400 x 5600 mm	26000 x 8400 x 5600 mm	29500 x 8400 x 5600 mm
Net weight (approx.)	122000 kgs	143000 kgs	163000 kgs

*Specifications are subject to change without prior notice.

MEMO



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**HORIZONTAL
MILLING MACHINE**

P47~P52

▲ 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, 240~120 rpm	6 steps, 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) / 450 kgs (hydraulic)	680 kgs (manual) / 820 kgs (hydraulic)
Gross weight (approx.)	370 kgs (manual) / 520 kgs (hydraulic)	780 kgs (manual) / 920 kgs (hydraulic)

*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

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.

▲ BMT 1000HU



▲ BMT 2000HU



[BED TYPE]

▲ BMT 3615H



▲ BMT 3615HS



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 390 x 450 mm
X / Y / Z travel - auto	-	920 x 370 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
VERTICAL SPINDLE		
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	342 mm	390 mm
HORIZONTAL SPINDLE		
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
MOTOR		
Horizontal spindle motor	3 HP	5 HP
Coolant pump motor	1/8 HP	
SIZE / WEIGHT		
Machine size (L x W x L)	1570 x 1230 x 1652 mm	2150 x 1750 x 2090 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 kas	2700 kas

*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
- 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

- 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

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 sapce	3050 x 2535 mm	3050 x 2535 mm
Net weight (approx.)	2700 kgs	2900 kgs

*Specifications are subject to change without prior notice.

[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	
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

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.), 90~615 rpm / 80~800 rpm (opt.)					
Spindle motor	10 HP			10 HP / 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 2780 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**

P53~P66

▲ BMT 800VH



SPECIFICATION:

*Machine shown with optional accessories

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

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	16 mm x 3
VERTICAL SPINDLE	
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°
HORIZONTAL SPINDLE	
Spindle taper	ISO 30
Spindle speed	4 steps, 240~1200 rpm
MOTOR	
Vertical spindle motor	1 HP
Horizontal spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
SIZE / WEIGHT	
Machine size (L x W x H)	800 x 860 x 1650 mm
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.

▲ BMT 900VH



SPECIFICATION:

*Machine shown with optional accessories

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

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
VERTICAL SPINDLE	
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°
HORIZONTAL SPINDLE	
Spindle taper	ISO 30
Spindle speed	6 steps, 80~760 rpm
MOTOR	
Vertical spindle motor	2 HP
Horizontal spindle motor	2 HP
Coolant pump motor	1/8 HP
SIZE / WEIGHT	
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.

▲ BMT 1000VHS



SPECIFICATION:

*Machine shown with optional accessories

Descrition	BMT 1000VHS
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
VERTICAL SPINDLE	
Spindle taper	ISO 40
Spindle speed	10 steps
@ 50 Hz	60~3000 rpm
@ 60 Hz	70~3600 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°
HORIZONTAL SPINDLE	
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
MOTOR	
Vertical spindle motor	5 HP
Horizontal spindle motor	3 HP
Coolant pump motor	1/8 HP
SIZE / WEIGHT	
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
Gross weight (approx.)	1450 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

▲ BMT 1500VHV



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		
VERTICAL SPINDLE			
Spindle taper	ISO 40		
Spindle speed	10 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	70~4200 rpm		
Spindle center to column surface	155~475 rpm		
Quill travel	150 mm		
Head swiveling angle	(R & L) 90°		
Overarm (ram) travel	455 mm		
Horizontal rotation of ram	360°		
HORIZONTAL SPINDLE			
Spindle taper	ISO 40		
Spindle speed @ 60 Hz	6 steps, 108~1470 rpm		
Spindle center to table top	0~330 mm		
Spindle center to Overarm bottom	135 mm		
MOTOR			
Vertical spindle motor	5 HP / 7.5 HP (opt.)		
Horizontal spindle motor	4 HP		
Coolant pump motor	1/8 HP		
SIZE / WEIGHT			
Machine 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.

- 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



▲ BMT 6000S



▲ 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 6000VI
- Y axis ballscrew with inverter for BMT 6000S, BMT 6000VI
- 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
- Vertical head attachment
- Air power drawbar
- Halogen lamp
- CE standard

SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 6000S / BMT 6000SF		BMT 6000VI / BMT 6000SFI
Table size	300 x 1270 mm		
X / Y / Z travel - manual	930 x 390 x 450 mm		
X / Y / Z travel - auto	920 x 370 x 450 mm		
Table T-slot (Width x No. x pitch)	16 mm x 3 x 80 mm		
VERTICAL SPINDLE			
Spindle taper	ISO 40		
Spindle speed	16 steps	Inverter 60~3600 rpm	
@ 50 Hz	62~3000 rpm		
@ 60 Hz	75~3600 rpm		
Spindle nose to table top	85~535 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°		
HORIZONTAL SPINDLE			
Spindle taper	ISO 40		
Spindle speed	9 steps		
@ 50 Hz	60~1440 rpm		
@ 60 Hz	75~1730 rpm		
Spindle center to bottom of ram	173 mm		
Spindle center to table	0~450 mm		
MOTOR			
Vertical spindle motor	5 HP		
Horizontal spindle motor	5 HP		
Coolant pump motor	1/8 HP		
SIZE / WEIGHT			
Machine size (L x W x H)	1740 x 1615 x 2400 mm		
Net weight (approx.)	2350 kgs	2550 kgs	

*Specifications are subject to change without prior notice.

▲ BMT 6500V



Vertical head attachment

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
VERTICAL SPINDLE	
Spindle taper	ISO 40
Spindle speed @ 50 Hz / 60 Hz	Vari. speeds (inverter), 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°
HORIZONTAL SPINDLE	
Spindle taper	ISO 40
Spindle speed	9 steps
@ 50 Hz	60~1440 rpm
@ 60 Hz	75~1730 rpm
Spindle center to bottom of ram	175 mm
Spindle center to table	-25~395 mm
MOTOR	
Vertical spindle motor	5 HP
Horizontal spindle motor	5 HP
Coolant pump motor	1/8 HP
SIZE / WEIGHT	
Machine size (L x W x H)	2070 x 2050 x 2600 mm
Net weight (approx.)	2700 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

▲ BMT 6900VI



SPECIFICATION:

*Machine shown with optional accessories

Description	BMT 6900S	BMT 6900VI
Table size	370 x 1270 mm / 370 x 1470 mm (opt.)	
X / Y / Z travel - manual	930 x 610 x 440 mm	
X / Y / Z travel - auto	920 x 600 x 420 mm	
Table T-slot (Width x No. x pitch)	18 mm x 3 x 80 mm	
VERTICAL SPINDLE		
Spindle taper	ISO 40	
Spindle speed	16 steps	Vari. speeds (inverter)
@ 50 Hz	62~3000 rpm	60~3600 rpm
@ 60 Hz	75~3600 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 totation of ram	360°	
HORIZONTAL SPINDLE		
Spindle taper	ISO 50	
Spindle speed	9 steps	
@ 50 Hz	60~1440 rpm	
@ 60 Hz	75~1730 rpm	
Spindle center to bottom of ram	175 mm	
Spindle center to table	-8~432 mm	
MOTOR		
Vertical spindle motor	5 HP	
Horizontal spindle motor	7.5 HP	
Coolant pump motor	1/8 HP	
SIZE / WEIGHT		
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	2700 kgs
Gross weight (approx.)	2800 kas	

*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 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

▲ 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			
VERTICAL SPINDLE				
Spindle taper	ISO 40			
Spindle speed	16 stpes	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°			
HORIZONTAL SPINDLE				
Spindle motor	ISO 40			
Spindle speed @ 50 Hz	9 steps, 90~1320 rpm			
Spindle center to table top	0~460 mm			
Spindle center to Overarm bottom	160 mm			
MOTOR				
Vertical spindle motor	5 HP / 3 HP / 7.5 HP (opt.)	5 HP / 7 HP (opt.)		
Horizontal spindle motor	5 HP			
Coolant pumo motor	1/8 HP			
SIZE / WEIGHT				
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

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
VERTICAL SPINDLE	
Spindle taper	ISO 40
Spindle speed	Vari. speeds
@ 50 Hz	60~3100 rpm
@ 60 Hz	70~3600 rpm
HORIZONTAL SPINDLE	
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
MOTOR	
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
SIZE / WEIGHT	
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.

- 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

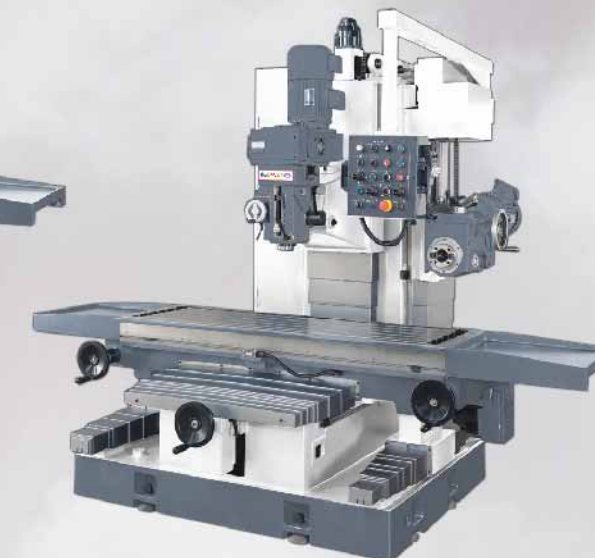
- X/Y axis ballscrew
- Enlarged table size 350 x 1850 mm
- Enlarged motor 10 HP without brake
- Vertical spindle with variable speed
- Horizontal spindle with variable speed
- Overarm auto feed
- Air power drawbar
- Auto lubrication system
- Horizontal & vertical rotary table
- Brake motor
- Universal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

[BED TYPE]

▲ BMT 2070VHS



▲ BMT 2070VHI



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 (H) 550 mm	
X / Y / Z travel - auto	-	1500 x 630 x 600 (H) 550 mm
Table T-slot (Width x No. x pitch)	18 mm x 5 x 80 mm	
VERTICAL SPINDLE		
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	100~700 mm
Spindle center to column surface	660 mm	660 mm
Quill travel	-	140 mm
Auto. Quill feeds (per revolution)	-	0.035 / 0.07 / 0.14 mm
Head swiveling angle	FIXED	(R & L) 45°
HORIZONTAL SPINDLE		
Spindle taper	ISO 50	
Spindle speed @ 50 Hz	6 Ssteps, 100~590 rpm	
MOTOR		
Vertical spindle motor	10 HP	5 HP
Horizontal spindle motor	7.5 HP	
Coolant pump motor	1/8 HP	
MOTOR		
Machine size (L x W x H)	3050 x 2675 x 2641 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.

- 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

[BED TYPE]

▲ BMT 2080SH / BMT 2810SH



SPECIFICATION:

*Machine shown with optional accessories

Descrition	BMT 2080SH	BMT 2810SH
Table size	500 x 2000 mm	700 x 2500 mm
X / Y / Z travel - manual	1500 x 1000 x 750 mm	2000 x 1300 x 900 mm
Table load capacity	1000 kgs	1500 kgs
Table T-slot (Width x No. x pitch)	20 mm x 5 x 100 mm	20 mm x 5 x 120 mm
VERTICAL SPINDLE		
Spindle taper	ISO 50	
Spindle speed @ 60 Hz	12 steps, 40~940 rpm	
Spindle nose to table top	0~750 mm	0~900 mm
Spindle center to column surface	520 mm	700 mm
HORIZONTAL SPINDLE		
Spindle taper	ISO 50	
Spindle speed @ 60 Hz	12 steps, 40~940 rpm	
Spindle nose to table top	0~900 mm	0~1050 mm
MOTOR		
Spindle motor	7.5 HP / 10 HP (opt.)	10 HP / 15 HP (opt.)
SIZE / WEIGHT		
Machine packing size (L x W x H)	2850 x 3100 x 2950 mm	3100 x 3900 x 3430 mm
Net weight (approx.)	6500 kgs	11000 kgs
Gross weight (approx.)	8000 kgs	13000 kgs

*Specifications are subject to change without prior notice.

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P67~P72

▲ 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
VERTICAL SPINDLE		
Spindle taper	ISO 40 / ISO 50	
Spindle speed	12 steps	
@ 50 Hz	40~1800 rpm	
@ 60 Hz	48~2160 rpm	
HORIZONTAL SPINDLE		
Spindle taper	ISO 40 / ISO 50	
Spindle speed	12 steps	
@ 50 Hz	40~1800 rpm	
@ 60 Hz	48~2160 rpm	
Diameter od main shaft nose	88.88 mm	88.88~128.57 mm
Milling arbor diameter	27 mm	
Spindle center to Overarm mottom	155 mm	
MOTOR		
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	
SIZE / WEIGHT		
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
VERTICAL SPINDLE	
Spindle taper	ISO 40 / ISO 50
Spindle speed	12 steps
@ 50 Hz	35~1600 rpm
@ 60 Hz	42~1960 rpm
HORIZONTAL SPINDLE	
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
MOTOR	
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
SIZE / WEIGHT	
Machine packing size (L x W x H)	1900 x 2300 x 2300 mm
Net weight (approx.)	3200 kgs
Gross weight (approx.)	3400 kgs

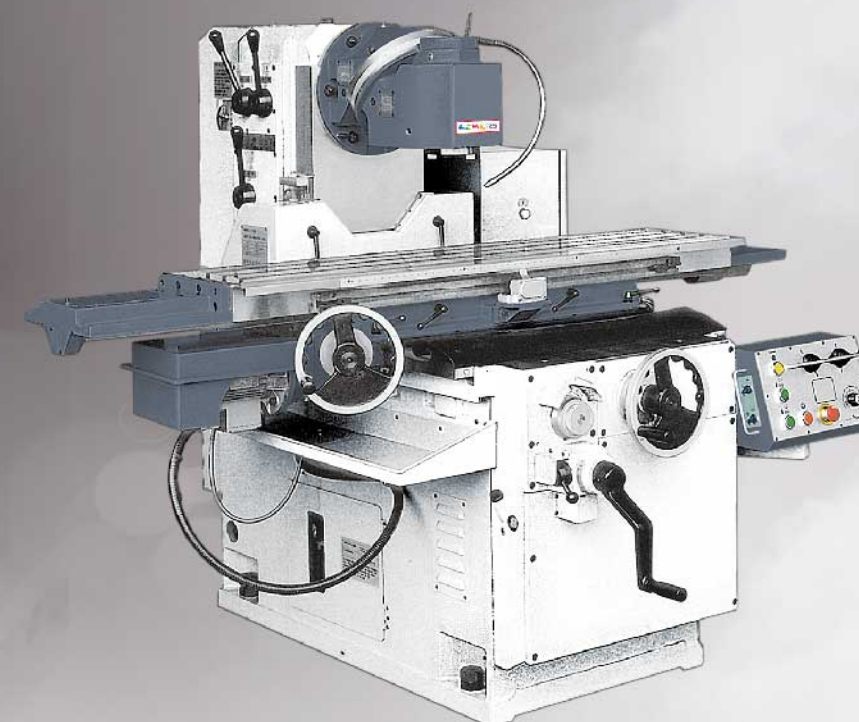
*Specifications are subject to change without prior notice.

[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 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 @ 50 Hz	12 steps, 40~1750 rpm		
VERTICAL SPINDLE			
Spindle nose to table top	90~520 mm		50~480 mm
Spindle center to column surface	500 mm	420 mm	350 mm
HORIZONTAL SPINDLE			
Spindle center to table	90~520 mm		50~480 mm
Spindle nose to column surface	500 mm	420 mm	350 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)	2050 x 2535 x 1800 mm		
Floor space	3050 x 2535 mm		
Net weight (approx.)	2900 kgs		2600 kgs

*Specifications are subject to change without prior notice.

[BED TYPE]

▲ BMT 4018UH



▲ BMT 4018UB



SPECIFICATION:

*Machine shown with optional accessories

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 @ 50 Hz / 60 Hz	12 steps, 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.

- 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

[BED TYPE]

▲ BMT 5422UV



SPECIFICATION:

*Machine shown with optional accessories

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 @ 50 Hz / 60 Hz	8 steps, 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.

- 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



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