

**BEMATO®**

# DRILLING MACHINE



**NC HEAVY DUTY DRILLING MACHINE**



**DRILL & MILL**



**DRILL**



**RADIAL DRILL**



**BEMATO®**  
STRIVING FOR SERVICE  
AND SATISFACTION  
SINCE 1976

**BENIGN ENTERPRISE CO., LTD.**

SUITE 4, 5F., NO. 20, TA-LONG ROAD, TAICHUNG, TAIWAN R.O.C.

TEL: +886-4-23233016

FAX: +886-4-23232826 / +886-4-23238341

E-mail: [service@e-bemato.com](mailto:service@e-bemato.com)

<http://www.e-bemato.com> . <http://www.bemato.com.tw>



BEMATO 2018.09 002

BEMATO

DRILLING MACHINE

## COMPANY PROFILE

COMPANY NAME	: BENIGN ENTERPRISE CO., LTD.
ADDRESS	: 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
WEBSITE:	: www.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 MACHINE TOOLS, MACHINE TOOLS ACCESSORIES, INDUSTRIAL SUPPLIES, PNEUMATIC TOOLS AND OEM COMPONENTS 2. PURCHASING AGENT FOR FOREIGN COMPANIES 3. SHIPMENTS CONSOLIDATION
MAIN EXPORT MARKETS	: 1. EUROPE 2. NORTH AMERICA 3. MIDDLE & SOUTH AMERICA 4. AUSTRALIA & N.Z. 5. ASIA 6. SOUTH AFRICA
MAIN EXPORT PRODUCTS	: <u>A) MACHINE TOOLS</u> 1. LATHES (CNC & CONVENTIONAL) 2. MILLING MACHINES (CNC & CONVENTIONAL) 3. MACHINING CENTERS (VERTICAL & HORIZONTAL) 4. GRINDING MACHINES (SURFACE, CYLINDRICAL, INTERNAL, CENTERLESS, TOOL & CUTTER) 5. SAWING MACHINES (HORIZONTAL, VERTICAL, & CIRCULAR) 6. DRILLING MACHINES (BENCH, FLOOR, RADIAL, NC, VERTICAL & HORIZONTAL) 7. WOODWORKING MACHINES (DIY & INDUSTRIAL) 8. WIRE CUT & EDM (DIE SINKER, MICRO DRILL) 9. SHEET METAL MACHINES (SHEAR, PRESS BRAKE, FOLDING, BENDING, ROLLING) 10. SPECIAL MACHINES, OEM COMPONENTS (STAMPING, PLASTIC INJECTION, ALUMINUM EXTRUSION, CASTINGS, ETC.)  <u>B) MACHINE TOOLS ACCESSORIES &amp; INDUSTRIAL TOOLS &amp; SUPPLIES</u>  <u>C) PNEUMATIC TOOLS</u>

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### 1. CAPACITY 6 MM

BENCH TYPE  
Step speed, Manual feed



◀ BMT 61SB

#### SPECIFICATION:

DESCRIPTION	BMT 61SB
Drilling capacity	∅ 6 mm
Spindle taper	JT 1 / ER 16
Spindle speed	3 steps
@ 50 Hz	5000~8400 rpm
@ 60 Hz	6000~10000 rpm
Spindle travel	60 mm
Quill diameter	40 mm
Column diameter	80 mm
Spindle center to column surface	155 mm
Base size	380 x 200 mm
Spindle motor	1/2 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	460 x 300 x 800 mm
Machine packing size (L x W x H) wooden crate	530 x 360 x 890 mm
Net weight / Gross weight - wooden crate	48 kgs / 58 kgs

\*Specifications are subject to change without prior notice.

### 2. CAPACITY 13 MM

BENCH TYPE  
Step speed, Manual feed



BMT 131SB  
BMT 132SB ▶

BMT 133SB ▶

BMT 134SB ▶

BMT 13 ▶

- Special optional accessories:
- Variable speed for BMT 134SB
  - High speed 920~4080rpm for BMT 13
  - Tapping function for BMT 135SB

#### SPECIFICATION:

DESCRIPTION	BMT 131SB	BMT 132SB	BMT 133SB	BMT 134SB	BMT 13	BMT 135SB
Drilling capacity	∅ 13 mm					
Tapping capacity						M10 (opt.)
Spindle taper	JT 33 / B 16	JT 2-1/2 / JT 33 / B 16	JT 6	MT 2	JT 6	
Spindle speed	5 steps		4 steps	6 steps	4 steps	4 steps
@ 50 Hz	515~2580 rpm		500~2300 rpm	400~5000 rpm	460~2040 rpm	520~2230 rpm
@ 60 Hz	690~3000 rpm		600~2750 rpm		560~2450 rpm	630~2700 rpm
Spindle travel	50 mm	60 mm	85 mm	150 mm	80 mm	
Quill diameter	40 mm		52 mm	57 mm	65 mm	
Column diameter	47 mm	60 mm	80 mm	75 mm	80 mm	
Spindle center to column surface	104 mm	177 mm	175 mm	192 mm	180 mm	
Spindle nose to table	200 mm	445 mm	430 mm	470 mm	480 mm	450 mm
Spindle nose to base	300 mm	550 mm	610 mm	-	650 mm	620 mm
Table size	160 x 160 mm	205 x 205 mm	∅ 320 mm	530 x 362 mm	∅ 330 mm	∅ 320 mm
Table slot	2		-	16 mm	-	
Base size	310 x 198 mm	350 x 210 mm	500 x 300 mm	-	505 x 305 mm	500 x 300 mm
Spindle motor	1/8 HP 1/6HP / 1/5HP / 1/4HP (opt.)	1/5 HP 1/4HP / 1/3HP (opt.)	1/2 HP	1 HP	1/2 HP / 1 HP (opt.)	1/2 HP
Coolant pump motor	(opt.)		1/8 HP (opt.)			
Machine size (L x W x H)	H : 585 mm	H : 870 mm	680 x 325 x 1085 mm	765 x 430 x 1100 mm	640 x 370 x 1050 mm	700 x 390 x 1070 mm
Machine packing size (L x W x H) carton	464 x 336 x 242 mm	673 x 394 x 221 mm	-	810 x 560 x 935 mm (carton on pallet)	830 x 510 x 300 mm	-
Machine packing size (L x W x H) wooden crate					760 x 420 x 1250 mm	750 x 450 x 1160 mm
Net weight / Gross weight - carton	19.5 kgs / 20.5 kgs	34 kgs / 36 kgs	-	110 kgs / 140 kgs	67 kgs / 70 kgs	-
Net weight / Gross weight - wooden crate	-		90 kgs / -	-	67 kgs / 97 kgs	80 kgs / 90 kgs

\*Specifications are subject to change without prior notice.

### 2. CAPACITY 13 MM

FLOOR TYPE  
Step speed, Manual feed



- Special optional accessories:
- Tapping function for BMT 136SB
  - Variable speed for BMT 137SB

#### SPECIFICATION:

DESCRIPTION	BMT 136SB	BMT 137SB
Drilling capacity	Ø 13 mm	
Tapping capacity	Steel: M4~M10 (opt.) Cast iron: M4~M12 (opt.)	-
Spindle taper	JT 6	MT 2
Spindle speed	4 steps	6 steps
@ 50 Hz	460~2040 rpm	-
@ 60 Hz	560~2450 rpm	400~5000 rpm
Spindle travel	80 mm	150 mm
Quill diameter	65 mm	57 mm
Column diameter	80 mm	75 mm
Spindle center to column surface	180 mm	192 mm
Spindle nose to table	800 mm	680 mm
Spindle nose to base	1010 mm	1170 mm
Table size	Ø 330 mm	455 X 356 mm
Table slot	-	14 mm
Base size	505 x 305 mm	530 x 362 mm
Spindle motor	1/2 HP / 1 HP (opt.)	1 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	640 x 370 x 1410 mm	790 x 510 x 1085 mm
Machine packing size (L x W x H) carton	1460 x 540 x 280 mm	826 x 560 x 1780 mm (carton on pallet)
Machine packing size (L x W x H) wooden crate	760 x 420 x 1610 mm	-
Net weight / Gross weight - carton	76 kgs / 80 kgs	127 kgs / 160 kgs
Net weight / Gross weight - wooden crate	76 kgs / 116 kgs	-

\*Specifications are subject to change without prior notice.

### 3. CAPACITY 16 MM

BENCH TYPE  
Step speed, Manual feed



- Special optional accessories:
- 16 steps speed for BMT 162SB
  - Extended throat depth for BMT 162SB
  - High speed 880~5000rpm for BMT 164SB
  - 12 steps speed for BMT 164SB
  - Extended throat depth for BMT 164SB
  - Tapping function for BMT 164SB, BMT 165SB & BMT 167SB

#### SPECIFICATION:

DESCRIPTION	BMT 161SB	BMT 162SB	BMT 163SB	BMT 164SB	BMT 165SB	BMT 166SB	BMT 167SB
Drilling capacity	Ø 16 mm						
Tapping capacity	-		Steel: M4~M10(opt.)		M12 (opt.)	Steel: Ø 5~10mm(opt.)	
Spindle taper	MT 2						
Spindle speed	12 steps	12 steps	12 steps	5 steps	9 steps	9 steps	4 steps
@ 50 Hz	270~2930 rpm	260~2900 rpm	300~2360 rpm	440~2500 rpm	240~2840 rpm	270~3880 rpm	450~1700 rpm
@ 60 Hz	320~3520 rpm	310~3500 rpm	360~2830 rpm	530~3000 rpm	290~3440 rpm	320~4000 rpm	550~2000 rpm
Spindle travel	60 mm	85 mm	80 mm		100 mm	85 mm	100 mm
Quill diameter	40 mm				65 mm		
Column diameter	60 mm	73 mm	80 mm				
Spindle center to column surface	177 mm	170 mm	180 mm		175 mm		
Spindle nose to table	455 mm	470 mm	510 mm	480 mm	450 mm	460 mm	420 mm
Spindle nose to base	560 mm	640 mm	660 mm	650 mm	620 mm	640 mm	620 mm
Table size	205 x 205 mm	Ø 290 mm / Ø 320 mm (opt.) / 235 x 235 mm (opt.)	280 x 280 mm / Ø 320 mm	Ø 330 mm	Ø 320 mm		
Table slot	2	6	12 mm		-		
Base size	350 x 210 mm	440 x 250 mm	505 x 305 mm		500 x 300 mm		
Spindle motor	1/4 HP / 1/3 HP (opt.)	1/3 HP / 1/2 HP (opt.)	1/2 HP / 1 HP (opt.)		1 HP		
Coolant pump motor	(opt.)				1/8 HP (opt.)		
Machine size (L x W x H)	H : 870 mm	H : 980 mm	640 x 370 x 1050 mm		700 x 390 x 1070 mm	680 x 325 x 1085 mm	650 x 410 x 1090 mm
Machine packing size (L x W x H) carton	673 x 394 x 221 mm	790 x 442 x 280 mm	830 x 510 x 300 mm		-		
Machine packing size (L x W x H) wooden crate	-		760 x 420 x 1250 mm		750 x 450 x 1160 mm	-	
Net weight / Gross weight - carton	35 kgs / 37 kgs	49 kgs / 51.5 kgs	67 kgs / 70 kgs	75 kgs / 78 kgs	-		
Net weight / Gross weight - wooden crate	-		67 kgs / 97 kgs	75 kgs / 105 kgs	80 kgs / 90 kgs	95 kgs / -	105 kgs / -

\*Specifications are subject to change without prior notice.

### 3. CAPACITY 16 MM

BENCH TYPE  
Step speed, Auto feed

**BMT 168SB** ▶  
(Servo linear guideway)



◀ **BMT 169SB**



#### SPECIFICATION:

DESCRIPTION	BMT 168SB	BMT 169SB
Drilling capacity	Ø 16 mm	
Spindle taper	MT 2	
Spindle speed	3 steps	4 steps
@ 50 Hz	590~2380 rpm	480~1980rpm
@ 60 Hz	710~2860 rpm	
Spindle travel	200 mm	80 mm
Quill diameter	65 mm	
Column diameter	130 x 140 x 800 mm	80 mm
Spindle center to column surface	185 mm	180 mm
Spindle nose to table	320~520 mm	420 mm
Spindle nose to base	-	620 mm
Table size	300 x 300 mm	
Base size	-	450 x 310 mm
Spindle motor	1 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	800 x 630 x 720 mm	H : 1060 mm
Machine packing size (L x W x H) wooden crate	-	750 x 450 x 1160 mm
Net weight	-	80 kgs / 90 kgs

\*Specifications are subject to change without prior notice.

### 3. CAPACITY 16 MM

BENCH TYPE  
Step speed, Auto feed

**BMT 1616SG** ▶



◀ **BMT 1617SG**



#### SPECIFICATION:

DESCRIPTION	BMT 1616SG	BMT 1617SG
Drilling capacity	Ø 16 mm	
Spindle taper	MT 2	
Spindle speed	4 steps	4 steps
@ 50 Hz	460~1700 rpm	470~1730 rpm
@ 60 Hz	560~2100 rpm	570~2100 rpm
Spindle travel	90 mm	100 mm
Auto. Quill feeds (per revolution)	0.05 / 0.07 / 0.10 / 0.12 mm	-
Quill diameter	65 mm	
Column diameter	80 mm	
Spindle center to column surface	180 mm	
Spindle nose to table	435 mm	400 mm
Spindle nose to base	645 mm	600 mm
Table size	Ø 330 mm	Ø 320 mm
Base size	495 x 300 mm	500 x 300 mm
Spindle motor	1 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	680 x 370 x 1060 mm	700 x 390 x 1070 mm
Machine packing size (L x W x H) wooden crate	760 x 400 x 1260 mm	750 x 450 x 1160 mm
Net weight / Gross weight - wooden crate	95 kgs / 125 kgs	80 kgs / 90 kgs

\*Specifications are subject to change without prior notice.

### 3. CAPACITY 16 MM

**BENCH TYPE**

Variable speed, Manual & Auto feed

▼ **BMT 1610VB**



▼ **BMT 16V**



▼ **BMT 1611VB**  
(BRUSHLESS MOTOR)



▼ **BMT 1612VB**  
(Auto feed, BRUSHLESS MOTOR)



#### SPECIFICATION:

DESCRIPTION	BMT 1610VB	BMT 16V	BMT 1611VB	BMT 1612VB
Drilling capacity	Ø 16 mm			
Spindle taper	MT 2			
Spindle speed @ 50 Hz	Vari. Speeds 350~2100 rpm	Vari. Speeds 350~2500 rpm	Vari. Speeds 330~3400 rpm	Vari. Speeds 450~2100 rpm
Spindle travel	85 mm	90 mm	80 mm	90 mm
Quill diameter	52 mm	65 mm		
Column diameter	80 mm			
Spindle center to column surface	191 mm	180 mm		
Spindle nose to table	470 mm	420 mm		
Spindle nose to base	650 mm	645 mm	650 mm	520 mm
Table size	Ø 320 mm / 290 x 290 mm (opt.)	280 x 280 mm / Ø 320 mm	300 x 300 mm	
Table slot	6	12 mm	-	
Base size	500 x 280 mm	470 x 280 mm / 505 x 305 mm	450 x 310 mm	
Spindle motor	1 HP	1-1/2 HP	1 HP	
Coolant pump motor	(opt.)	1/8 HP (opt.)		
Machine size (L x W x H)	H : 1060 mm	640 x 370 x 1080 mm	H : 1060 mm	H : 1080 mm
Machine packing size (L x W x H) carton	820 x 530 x 370 mm	830 x 510 x 300 mm	-	
Machine packing size (L x W x H) wooden crate	-	760 x 420 x 1250 mm	750 x 450 x 1300 mm	
Net weight / Gross weight - carton	72 kgs / 75 kgs	88 kgs / 91 kgs	-	
Net weight / Gross weight - wooden crate	-	88 kgs / 118 kgs	80 kgs / 90 kgs	90 kgs / 100 kgs

\*Specifications are subject to change without prior notice.

### 3. CAPACITY 16 MM

**FLOOR TYPE**

Step & Variable speed, Manual feed



◀ **BMT 1613SB**



◀ **BMT 1614SB**



◀ **BMT 1615VB**

#### Special optional accessories:

- 16 steps speed for BMT 1613SB
- Extended throat depth for BMT 1613SB
- Extended column for BMT 1613SB
- 12 steps speeds for BMT 1614SB
- Tapping function for BMT 1614SB

#### SPECIFICATION:

DESCRIPTION	BMT 1613SB	BMT 1614SB	BMT 1615VB
Drilling capacity	Ø 16 mm		
Tapping capacity	-	Steel: M4~M10 (opt.) Cast iron: M4~M12	-
Spindle taper	MT 2		
Spindle speed @ 50 Hz	12 steps 260~2900 rpm	5 steps 440~2500 rpm	Vari. Speeds 350~2100 rpm
Spindle speed @ 60 Hz	310~3500 rpm	530~3000 rpm	
Spindle travel	85 mm	80 mm	85 mm
Quill diameter	40 mm	65 mm	52 mm
Column diameter	73 mm	80 mm	
Spindle center to column surface	170 mm	180 mm	191 mm
Spindle nose to table	725 mm	800 mm	700 mm
Spindle nose to base	1235 mm	1240 mm	1200 mm
Table size	Ø 290 mm / Ø 320 mm (opt.) / 235 x 235 mm (opt.)	Ø 330 mm / 280 x 280 mm (opt.)	Ø 320 mm / 290 x 290 mm (opt.)
Table slot	6	12 mm (opt.)	6
Base size	458 x 265 mm	500 x 330 mm	500 x 280 mm
Spindle motor	1/3 HP / 1/2 HP (opt.)	1/2 HP / 1 HP (opt.)	1 HP
Coolant pump motor	(opt.)	1/8 HP (opt.)	(opt.)
Machine size (L x W x H)	H : 1588 mm	640 x 370 x 1710 mm	H : 1650 mm
Machine packing size (L x W x H) carton	1380 x 461 x 233 mm	1460 x 540 x 280 mm	1364 x 524 x 340 mm
Machine packing size (L x W x H) wooden crate	-	760 x 420 x 1850 mm	-
Net weight / Gross weight - carton	58 kgs / 61 kgs	83 kgs / 86 kgs	77 kgs / 82 kgs
Net weight / Gross weight - wooden crate	-	83 kgs / 123 kgs	-

\*Specifications are subject to change without prior notice.

### 4. CAPACITY 18 MM

BENCH TYPE & FLOOR TYPE

Variable speed, Manual feed – **BRUSHLESS MOTOR!**

**BMT 181VB**  
(Bench type)



**BMT 182VB**  
(Floor type)



#### SPECIFICATION:

DESCRIPTION	BMT 181VB	BMT 182VB
Drilling capacity	Ø 18 mm	
Spindle taper	MT 2	MT 2 / MT 3 (opt.)
Spindle speed	Vari. Speeds	
@ 50 Hz	330~3400 rpm	
@ 60 Hz		
Spindle travel	90 mm	
Quill diameter	65 mm	
Column diameter	80 mm	
Spindle center to column surface	180 mm	
Spindle nose to table	420 mm	700 mm
Spindle nose to base	650 mm	1250 mm
Table size	300 x 300 mm	
Base size	450 x 310 mm	500 x 320 mm
Spindle motor	1 HP	
Coolant pump motor	1/8 HP (opt.)	
Overall height	1080 mm	1680 mm
Net weight / Gross weight - wooden crate	80 kgs / 90 kgs	110 kgs / 125 kgs

\*Specifications are subject to change without prior notice.

### 5. CAPACITY 19 MM

BENCH TYPE

Step speed, Auto feed



**BMT 191SB**

#### SPECIFICATION:

DESCRIPTION	BMT 191SB
Drilling capacity	Ø 4~19 mm
Spindle taper	MT 2
Spindle speed	4 steps
@ 50 Hz	375~1670 rpm
@ 60 Hz	450~2000 rpm
Spindle travel	110 mm
Quill diameter	80 mm
Column diameter	95 mm
Spindle center to column surface	232 mm
Spindle nose to base	460 mm
Table size	340 x 340 mm
Base size	580 x 425 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	795 x 425 x 1025 mm
Net weight	198 kgs

\*Specifications are subject to change without prior notice.



### 6. CAPACITY 20 MM

BENCH TYPE  
Step speed, Manual feed



← BMT 201SB



← BMT 20BT



← BMT 202SB

■ Special optional accessories:  
· High speed 450~5000rpm for BMT 201SB

#### SPECIFICATION:

DESCRIPTION	BMT 201SB	BMT 20BT	BMT 202SB
Drilling capacity	Ø 20 mm		
Spindle taper	MT 2		MT 2 / MT 3 (opt.)
Spindle speed @ 50 Hz	12 steps 290~2330 rpm	10 steps 210~2500 rpm	12 steps 230~3100 rpm
@ 60 Hz	350~2800 rpm	250~3000 rpm	
Spindle travel	85 mm	80 mm	90 mm
Quill diameter	52 mm	65 mm	
Column diameter	80 mm		
Spindle center to column surface	215 mm	180 mm	
Spindle nose to table	460 mm	425 mm	485 mm
Spindle nose to base	638 mm	650 mm	725 mm
Table size	Ø 350 mm / 290 x 290 mm (opt.)	280 x 280 mm	300 x 300 mm
Table slot	6	12 mm	-
Base size	505 x 278 mm	470 x 280 mm	450 x 310 mm
Spindle motor	1/3 HP 1/2 HP / 3/4 HP (opt.)	1/2 HP	1-1/2 HP
Coolant pump motor	(opt.)	1/8 HP (opt.)	
Machine size (L x W x H)	H : 1085 mm	640 x 370 x 1050 mm	H : 1080 mm
Machine packing size (L x W x H) carton	850 x 591 x 355 mm	830 x 510 x 300 mm	-
Machine packing size (L x W x H) wooden crate	-	760 x 420 x 1250 mm	750 x 450 x 1160 mm
Net weight / Gross weight - carton	69 kgs / 72.2 kgs	80 kgs / 83 kgs	-
Net weight / Gross weight - wooden crate	-	80 kgs / 110 kgs	80 kgs / 90 kgs

\*Specifications are subject to change without prior notice.

### 6. CAPACITY 20 MM

BENCH TYPE  
Variable speed, Manual feed



← BMT 203VB



← BMT 20BV



← BMT 360B

■ Special optional accessories:  
· Tapping function for BMT 360B

#### SPECIFICATION:

DESCRIPTION	BMT 203VB	BMT 20BV	BMT 360B
Drilling capacity	Ø 20 mm		
Tapping capacity	-		M4~M12 (opt.)
Spindle taper	MT 3	MT 2	
Spindle speed @ 50 Hz	Vari. Speeds 190~1900 rpm	Vari. Speeds 150~2500 rpm	Vari. Speeds 390~3000 rpm
@ 60 Hz			450~3000 rpm
Spindle travel	85 mm	90 mm	100 mm
Quill diameter	52 mm	65 mm	
Column diameter	80 mm		
Spindle center to column surface	191 mm	180 mm	
Spindle nose to table	450 mm	420 mm	430 mm
Spindle nose to base	630 mm	645 mm	660 mm
Table size	Ø 320 mm / 350 x 250 mm (opt.)	280 x 280 mm / Ø 320 mm (opt.)	280 x 280 mm
Table slot	6	12 mm	
Base size	550 x 350 mm	470 x 280 mm / 505 x 305 mm (opt.)	500 x 330 mm
Spindle motor	3 HP	1-1/2 HP	3/4 HP
Coolant pump motor	(opt.)	1/8 HP (opt.)	
Machine size (L x W x H)	H : 1200 mm	640 x 370 x 1080 mm	730 x 370 x 1200 mm
Machine packing size (L x W x H) carton	1364 x 524 x 340 mm	830 x 510 x 300 mm	820 x 380 x 1360 mm (thick carton w/ pallet)
Machine packing size (L x W x H) wooden crate	-	760 x 420 x 1250 mm	-
Net weight / Gross weight - carton	95 kgs / 98.5 kgs	88 kgs / 91 kgs	115 kgs / 128 kgs
Net weight / Gross weight - wooden crate	-	88 kgs / 118 kgs	-

\*Specifications are subject to change without prior notice.

### 6. CAPACITY 20 MM

FLOOR TYPE  
Step speed, Manual feed



- Special optional accessories:
- High speed 420~5000 rpm for BMT 20FT
  - Extended column for BMT 205SB
  - Tapping function for BMT 206SB

#### SPECIFICATION:

DESCRIPTION	BMT 204SB	BMT 20FT	BMT 205SB	BMT 206SB
Drilling capacity	Ø 20 mm			
Tapping capacity	-			M18 (opt.)
Spindle taper	MT 2		MT 3	
Spindle speed @ 50 Hz	12 steps 290~2330 rpm	10 steps 210~2500 rpm	9 steps 200~1680 rpm	9 steps 230~1910 rpm
@ 60 Hz	350~2800 rpm	250~3000 rpm	240~2000 rpm	270~2290 rpm
Spindle travel	85 mm	80 mm	125 mm	120 mm
Quill diameter	52 mm	65 mm	80 mm	
Column diameter	80 mm		92 mm	
Spindle center to column surface	215 mm	180 mm	225 mm	230 mm
Spindle nose to table	775 mm	800 mm	680 mm	720 mm
Spindle nose to base	1270 mm	1280 mm	930 mm	920 mm
Table size	Ø 350 mm / 290 x 290 mm (opt.)	280 x 280 mm	Ø 400 mm	
Table slot	6	12 mm	-	
Base size	490 x 280 mm	500 x 330 mm	580 x 330 mm	580 x 335 mm
Spindle motor	1/3 HP 1/2 HP / 3/4 HP (opt.)	1/2 HP	1/2 HP / 1 HP (opt.)	2 HP
Coolant pump motor	(opt.) 1/8 HP (opt.)			
Machine size (L x W x H)	H : 1625 mm	670 x 370 x 1710 mm	792 x 426 x 1460 mm	850 x 470 x 1580 mm
Machine packing size (L x W x H) carton	1397 x 527 x 367 mm	1460 x 540 x 280 mm	-	
Machine packing size (L x W x H) wooden crate	-	760 x 420 x 1850 mm	880 x 490 x 1660 mm	805 x 525 x 1680 mm
Net weight / Gross weight - carton	74.2 kgs / 78 kgs	92 kgs / 95 kgs	-	
Net weight / Gross weight - wooden crate	-	92 kgs / 132 kgs	120 kgs / 170 kgs	150 kgs / 170 kgs

\*Specifications are subject to change without prior notice.

### 6. CAPACITY 20 MM

FLOOR TYPE  
Variable speed, Manual feed



#### SPECIFICATION:

DESCRIPTION	BMT 207VB	BMT 208VB
Drilling capacity	Ø 20 mm	
Spindle taper	MT 2	MT 3
Spindle speed @ 50 Hz	Vari. Speeds 150~2500 rpm	Vari. Speeds 190~1900 rpm
@ 60 Hz		
Spindle travel	90 mm	85 mm
Quill diameter	65 mm	52 mm
Column diameter	80 mm	
Spindle center to column surface	180 mm	191 mm
Spindle nose to table	800 mm	680 mm
Spindle nose to base	1280 mm	1200 mm
Table size	280 x 280 mm / Ø 320 mm	Ø 320 mm / 350 x 250 mm (opt.)
Table slot	12 mm	6
Base size	500 x 330 mm	550 x 350 mm
Spindle motor	1-1/2 HP	3 HP
Coolant pump motor	1/8 HP (opt.)	(opt.)
Machine size (L x W x H)	680 x 370 x 1760 mm	H : 1200 mm
Machine packing size (L x W x H) carton	1460 x 540 x 280 mm	1364 x 524 x 340 mm
Machine packing size (L x W x H) wooden crate	760 x 420 x 1850 mm	-
Net weight / Gross weight - carton	100 kgs / 103 kgs	102 kgs / 106 kgs
Net weight / Gross weight - wooden crate	100 kgs / 130 kgs	-

\*Specifications are subject to change without prior notice.

### 7. CAPACITY 25 MM

**BENCH TYPE**

Step & Variable speed, Manual & Auto feed



◀ **BMT 365V**  
(Variable speed,  
Manual feed)



◀ **BMT 251SB**  
(Step speed, Auto feed,  
Servo linear guideway)

- Special optional accessories:
  - Tapping function for BMT 365V

#### SPECIFICATION:

DESCRIPTION	BMT 365V	BMT 251SB
Drilling capacity	Ø 3~25 mm	Ø 25 mm
Tapping capacity	M4~M12 (opt.)	-
Spindle taper	MT 3	
Spindle speed	Vari. Speeds	3 steps
@ 50 Hz	390~3000 rpm	425~1660 rpm
@ 60 Hz	450~3000 rpm	510~2000 rpm
Spindle travel	100 mm	300 mm
Quill diameter	65 mm	95 mm
Column diameter	80 mm	180 x 200 x 950 mm
Spindle center to column surface	180 mm	245 mm
Spindle nose to table	415 mm	250~550 mm
Spindle nose to base	645 mm	-
Table size	280 x 280 mm	300 x 450 mm
Table slot	12 mm	-
Base size	500 x 330 mm	-
Spindle motor	3/4 HP	2 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	730 x 370 x 1200 mm	950 x 850 x 750 mm
Machine packing size (L x W x H) carton	890 x 380 x 1360 mm (thick carton w/ pallet)	-
Net weight / Gross weight - carton	115 kgs / 128 kgs	-

\*Specifications are subject to change without prior notice.

### 7. CAPACITY 25 MM

**FLOOR TYPE**

Step speed, Manual & Auto feed



▶ **BMT 252SB**



▶ **BMT 25F**  
(European style)



▶ **BMT 254SB**  
(Auto feed)

- Special optional accessories:
  - Tapping function for BMT 252SB
  - Extended column for BMT 252SB
  - 18 steps speed for BMT 25F
  - Tapping function for BMT 253SB

#### SPECIFICATION:

DESCRIPTION	BMT 252SB	BMT 25F	BMT 253SB	BMT 254SB
Drilling capacity	Ø 25 mm			
Tapping capacity	Steel: M6~M16 (opt.)	-	M20 (opt.)	-
Spindle taper	MT 3			
Spindle speed	9 steps		9 steps	
@ 50 Hz	200~1680 rpm		230~1910 rpm	
@ 60 Hz	240~2000 rpm		270~2290 rpm	
Spindle travel	125 mm		140 mm	
Quill diameter	80 mm		95 mm	
Column diameter	92 mm		102 mm	
Spindle center to column surface	225 mm		230 mm	
Spindle nose to table	730 mm	720 mm	630 mm	
Spindle nose to base	980 mm	1140 mm	930 mm	
Table size	Ø 400 mm	350 x 350 mm	Ø 420 mm	
Table slot	-	12 mm	-	
Base size	580 x 330 mm		600 x 380 mm	615 x 385 mm
Spindle motor	1 HP / 2 HP		1 HP	2 HP
Coolant pump motor	1/8 HP (opt.)			
Machine size (L x W x H)	792 x 426 x 1460 mm	792 x 426 x 1660 mm	850 x 470 x 1580 mm	810 x 450 x 1545 mm
Machine packing size (L x W x H) carton	3 cartons : 800 x 530 x 320 mm, 650 x 420 x 400 mm, 1180 x 200 x 190 mm	3 cartons : 800 x 530 x 320 mm, 650 x 420 x 400 mm, 1360 x 200 x 190 mm	-	
Machine packing size (L x W x H) wooden crate	880 x 490 x 1660 mm	890 x 490 x 1860 mm	905 x 525 x 1680 mm	-
Net weight / Gross weight - carton	130 kgs / 137 kgs	142.5 kgs / 149.5 kgs	-	
Net weight / Gross weight - wooden crate	130 kgs / 180 kgs	142.5 kgs / 193 kgs	190 kgs / 210 kgs	210 kgs / -

\*Specifications are subject to change without prior notice.

### 7. CAPACITY 25 MM

FLOOR TYPE  
Step speed, Auto feed



◀ BMT 2510SG



◀ BMT 2511SG

### 7. CAPACITY 25 MM

FLOOR TYPE  
Variable speed, Manual feed



▶ BMT 400FHT  
(Timing Belt, With Tapping,  
Electric control,  
Digital tachometer display,  
Base with coolant tank)

#### SPECIFICATION:

DESCRIPTION	BMT 2510SG	BMT 2511SG
Drilling capacity	Ø 25 mm	
Spindle taper	MT 3	
Spindle speed	6 steps	6 steps
@ 50 Hz	160~1330 rpm	255~2020 rpm
@ 60 Hz	190~1600 rpm	310~2450 rpm
Spindle travel	130 mm	140 mm
Auto. Quill feeds (per revolution)	0.04 / 0.06 / 0.08 / 0.10 / 0.12 / 0.14 mm	
Quill diameter	95 mm	
Column diameter	102 mm	
Spindle center to column surface	229 mm	230 mm
Spindle nose to table	650 mm	630 mm
Spindle nose to base	940 mm	930 mm
Table size	Ø 420 mm	
Base size	590 x 350 mm	600 x 380 mm
Spindle motor	1 HP / 2 HP	2 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	792 x 415 x 1505 mm	850 x 470 x 1580 mm
Machine packing size (L x W x H) wooden crate	890 x 480 x 1750 mm	905 x 525 x 1680 mm
Net weight / Gross weight - wooden crate	195 kgs / 235 kgs	190 kgs / 210 kgs

\*Specifications are subject to change without prior notice.

#### SPECIFICATION:

DESCRIPTION	BMT 400FHT
Drilling capacity	Ø 25 mm
Tapping capacity	Steel: 16 mm Cast iron: 19 mm
Spindle taper	MT 3
Spindle speed	Vari. Speeds (inverter)
@ 50 Hz	150~3000 rpm
@ 60 Hz	
Spindle travel	150 mm
Quill diameter	62 mm
Column diameter	92 mm
Spindle center to column surface	204 mm
Spindle nose to table	680 mm
Spindle nose to base	1100 mm
Table size	460 x 360 mm
Table slot	14 mm
Base size	590 x 395 mm
Spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	915 x 460 x 1860 mm
Machine packing size (L x W x H) carton	820 x 625 x 2000 rpm (carton on pallet)
Net weight / Gross weight - carton	220 kgs / 260 kgs

\*Specifications are subject to change without prior notice.

### 7. CAPACITY 25 MM

FLOOR TYPE

Variable speed, Manual feed – BRUSHLESS MOTOR!



◀ **BMT 257VB**  
(Step pulley with belt adjustment)



◀ **BMT 258VB**  
(Variable speed pulley Hi-Lo transform)



◀ **BMT 259VB**  
(Variable speed pulley Hi-Lo transform)

#### SPECIFICATION:

DESCRIPTION	BMT 257VB	BMT 258VB	BMT 259VB
Drilling capacity		Ø 25 mm	
Spindle taper		MT 3	
Spindle speed			
@ 50 Hz	Vari. Speeds (4 ranges)	Vari. Speeds(2 ranges)	
@ 60 Hz	260~1500 rpm	280~1680 rpm	
Spindle travel		120 mm	
Quill diameter		80 mm	
Column diameter		92 mm	
Spindle center to column surface		230 mm	
Spindle nose to table		720 mm	
Spindle nose to base		1250 mm	
Table size		350 x 350 mm	
Base size		600 x 380 mm	
Spindle motor		2 HP	
Coolant pump motor		1/8 HP (opt.)	
Overall height		1800 mm	
Net weight	180 kgs		200 kgs

\*Specifications are subject to change without prior notice.

### 8. CAPACITY 28 MM

FLOOR TYPE

Step speed, Manual feed



◀ **BMT 19**

#### Special optional accessories:

- Variable speed (inverter)
- Tapping function
- Swivel vise table

#### SPECIFICATION:

DESCRIPTION	BMT 19
Drilling capacity	Ø 28 mm
Tapping capacity	Ø 16 mm (opt.)
Spindle taper	MT 3
Spindle speed	12 steps
@ 50 Hz	115~2165 rpm
@ 60 Hz	140~2600 rpm
Spindle travel	120 mm
Quill diameter	55 mm
Column diameter	100 mm
Spindle center to column surface	250 mm
Spindle nose to table	670 mm
Spindle nose to base	1275 mm
Table size	470 x 420 mm
	Swivel vise table 350 x 300 mm (opt.)
Table slot	14 mm x 2 x 24 mm
Base size	360 x 330 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	827 x 573 x 1788 mm
Machine packing size (L x W x H) wooden crate	905 x 740 x 1875 mm
Net weight / Gross weight - wooden crate	200 kgs / 230 kgs

\*Specifications are subject to change without prior notice.

### 9. CAPACITY 30 MM

FLOOR TYPE  
Step speed, Manual feed



**BMT 301SB▶**  
(With Tapping)

**BMT 302SB▶**  
(European style,  
With Vise table)

**BMT 303SB▶**

■ Special optional accessories:  
· Variable speed for BMT 302SB

### 9. CAPACITY 30 MM

FLOOR TYPE  
Variable speed, Manual feed – BRUSHLESS MOTOR!



**BMT 304VB▶**  
(Step pulley with  
belt adjustment)

**BMT 305VB▶**  
(Variable speed  
pulley Hi-Lo  
transform)

**BMT 306VB▶**  
(Variable speed  
pulley Hi-Lo  
transform)

#### SPECIFICATION:

DESCRIPTION	BMT 301SB	BMT 302SB	BMT 303SB
Drilling capacity		Ø 30 mm	
Tapping capacity	Steel: Ø 8~16 mm Cast iron: Ø 8~19 mm	-	-
Spindle taper	MT 3		MT 4
Spindle speed	9 steps	18 steps	9 steps
@ 50 Hz	110~1450 rpm	105~2650 rpm	230~1910 rpm
@ 60 Hz	130~1700 rpm	138~2960 rpm	
Spindle travel	115 mm	125 mm	140 mm
Quill diameter	80 mm		95 mm
Column diameter	92 mm		102 mm
Spindle center to column surface	214 mm	209 mm	230 mm
Spindle nose to table	660 mm	750 mm	670 mm
Spindle nose to base	950 mm	1150 mm	1250 mm
Table size	Ø 380 mm	395 x 285 mm	400 x 400 mm
Table slot	-	14 mm	-
Base size	615 x 385 mm	560 x 410 mm	600 x 380 mm
Spindle motor	1 HP		2-1/2 HP
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	780 x 380 x 1510 mm	770 x 530 x 1690 mm	H : 1800 mm
Machine packing size (L x W x H) carton	-	820 x 490 x 1890 mm (thick carton w/ pallet)	-
Net weight / Gross weight - carton	157 kgs / -	186 kgs / 207 kgs	210 kgs / 230 kgs (wooden crate)

\*Specifications are subject to change without prior notice.

#### SPECIFICATION:

DESCRIPTION	BMT 304VB	BMT 305VB	BMT 306VB
Drilling capacity		Ø 30 mm	
Spindle taper	MT 4		
Spindle speed	Vari. Speeds (4 ranges)		Vari. Speeds (2 ranges)
@ 50 Hz	260~1500 rpm		280~1680 rpm
@ 60 Hz			
Spindle travel	140 mm		
Quill diameter	95 mm		
Column diameter	102 mm		
Spindle center to column surface	230 mm		
Spindle nose to table	670 mm		
Spindle nose to base	1250 mm		
Table size	400 x 400 mm		
Base size	600 x 380 mm		
Spindle motor	2 HP		
Coolant pump motor	1/8 HP (opt.)		
Overall height	1800 mm		
Net weight	210 kgs		240 kgs

\*Specifications are subject to change without prior notice.

### 10. CAPACITY 32 MM

FLOOR TYPE  
Step speed, Manual feed

**BMT 321SB▶**



**◀BMT 460FT**  
(With Tapping)

■ Special optional accessories:  
· Variable speed for BMT 460FT

#### SPECIFICATION:

DESCRIPTION	BMT 321SB	BMT 460FT
Drilling capacity	Ø 32 mm	
Tapping capacity	-	Steel: M5~M20 Cast iron: M5~M24
Spindle taper	MT 3	
Spindle speed	12 steps	18 steps
@ 50 Hz	140~2530 rpm	105~2650 rpm
@ 60 Hz	175~3050 rpm	138~2960 rpm
Spindle travel	118 mm	140 mm
Quill diameter	62 mm	80 mm
Column diameter	92 mm	102 mm
Spindle center to column surface	280 mm	230 mm
Spindle nose to table	665 mm	720 mm
Spindle nose to base	1175 mm	1130 mm
Table size	475 x 410 mm	480 x 320 mm
Table slot	6	14 mm
Base size	575 x 500 mm	660 x 465 mm
Spindle motor	3/4 HP / 1-1/2 HP (opt.)	1-1/2 HP
Coolant pump motor	(opt.)	1/8 HP
Machine size (L x W x H)	H : 1700 mm	1015 x 570 x 1815 mm
Machine packing size (L x W x H) carton	-	1090 x 550 x 1985 mm (thick carton w/ pallet)
Net weight / Gross weight - carton	130.70 kgs / 137 kgs	295 kgs / 320 kgs

\*Specifications are subject to change without prior notice.

### 10. CAPACITY 32 MM

FLOOR TYPE  
Variable speed, Manual feed

**BMT 322VB▶**



**BMT 932V▶**  
(With Digital tachometer display)



**BMT 918VAD▶**  
(Timing Belt, With Tapping, Digital tachometer display, Base with coolant tank)



■ Special optional accessories:  
· Tapping function for BMT 932V  
· 2 speed motor for BMT 932V

#### SPECIFICATION:

DESCRIPTION	BMT 322VB	BMT 932V	BMT 918VAD
Drilling capacity	Ø 32 mm		
Tapping capacity	-	Ø 20 mm (opt.)	Ø 16 mm
Spindle taper	MT 3		
Spindle speed	Vari. Speeds	Vari. Speeds	Vari. Speeds
@ 50 Hz	120~1500 rpm	4P: 300~2000 rpm	4P: 150~2500 rpm
@ 60 Hz	150~1700 rpm	4P/8P: 150~2000 rpm	
Spindle travel	140 mm	150 mm	
Auto. Quill feeds (per revolution)	-		0.2 / 0.1 / 0.05 mm
Quill diameter	95 mm	75 mm	
Column diameter	102 mm	115 mm	92 mm
Spindle center to column surface	230 mm	265 mm	240 mm
Spindle nose to table	630 mm	690 mm	735 mm
Spindle nose to base	930 mm	1200 mm	1150 mm
Table size	Ø 420 mm	560 x 470 mm	500 x 400 mm
Table slot	-	16 mm	14 mm
Base size	615 x 385 mm	685 x 485 mm	590 x 395 mm
Spindle motor	2 HP	4P : 2 HP / 1 PH or 3 PH 4P/8P : 1-1/2HP / 3 PH	2 HP
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	840 x 420 x 1545 mm	910 x 685 x 1980 mm	850 x 640 x 1850 mm
Machine packing size (L x W x H) carton on pallet	-	940 x 648 x 1905 mm	940 x 620 x 2050 mm
Net weight / Gross weight - carton on pallet	205 kgs / -	290 kgs / 340 kgs	265 kgs / 290 kgs

\*Specifications are subject to change without prior notice.

## BELT TYPE

### 11. CAPACITY 34 MM, 40 MM & 50 MM

FLOOR TYPE

Step & Variable speed, Manual feed



◀ **BMT 341SB**  
(European style)



◀ **BMT 600FTD**  
(With Tapping,  
Coolant pump)



◀ **BMT 700VS**  
(Variable speed, With  
Coolant pump, Work light,  
Electric box)

#### SPECIFICATION:

DESCRIPTION	BMT 341SB	BMT 600FTD	BMT 700VS
Drilling capacity	Ø 34 mm	Ø 5~40 mm	Steel: Ø 50 mm Cast iron: Ø 60 mm
Tapping capacity	-	Steel: M4~M20 Cast iron: M4~M24	-
Spindle taper		MT 4	
Spindle speed @ 50 Hz	18 steps 100~1680 rpm	Vari. speeds 70~2000 rpm	Vari. speeds (inverter) 100~1000 rpm
@ 60 Hz	120~2000 rpm		
Spindle travel	125 mm	150 mm	190 mm
Quill diameter	80 mm	96 mm	65 mm
Column diameter	92 mm	115 mm	160 mm
Spindle center to column surface	225 mm	300 mm	350 mm
Spindle nose to table	720 mm	715 mm	780 mm
Spindle nose to base	1140 mm	1145 mm	1240 mm
Table size	350 x 350 mm	470 x 400 mm	600 x 450 mm
Table slot	12 mm	14 mm	14 mm x 2 x 24 mm
Base size	500 x 330 mm	660 x 465 mm	870 x 510 mm
Spindle motor	1-1/2 HP	3 HP	5 HP
Coolant pump motor	1/8 HP (opt.)	1/8 HP	1/8 HP
Machine size (L x W x H)	725 x 530 x 1670 mm	1050 x 580 x 1900 mm	1040 x 800 x 2110 mm
Machine packing size (L x W x H) carton	3 cartons: 800 x 530 x 320 mm, 650 x 420 x 400 mm, 1360 x 200 x 190 mm	1150 x 560 x 2060 mm (thick carton w/ pallet)	-
Machine packing size (L x W x H) wooden crate	820 x 490 x 1860 mm	-	1100 x 850 x 2160 mm
Net weight / Gross weight - carton	148.5 kgs / 155 kgs	330 kgs / 360 kgs	-
Net weight / Gross weight - wooden crate	148.5 kgs / 198 kgs	-	680 kgs / 780 kgs

\*Specifications are subject to change without prior notice.

## GEAR TYPE

### 1. CAPACITY 32 MM

BENCH TYPE

Step speed, Manual feed



◀ **BMT 400GD**  
(With drawbar)

#### Special optional accessories:

- Table power feed
- Swivel vise
- 2 speed motor
- Tapping function
- Stand

#### SPECIFICATION:

DESCRIPTION	BMT 400GD
Drilling capacity	Steel: Ø 32 mm Cast iron: Ø 40 mm
Spindle taper	MT 3 / R8
Spindle speed @ 50 Hz	5 steps 50~1250 rpm
@ 60 Hz	60~1500 rpm
Spindle travel	120 mm
Quill diameter	75 mm
Column diameter	110 mm
Spindle center to column surface	275 mm
Spindle nose to base	620 mm
Table slot	14 mm
Base size	650 x 405 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	730 x 480 x 1155 mm
Machine packing size (L x W x H) wooden crate	725 x 550 x 1200 mm
Net weight / Gross weight - wooden crate	220 kgs / 245 kgs

\*Specifications are subject to change without prior notice.



**1. CAPACITY 32 MM**

FLOOR TYPE  
Step & Variable speed, Manual feed

▼ **BMT 205S**  
(Scandinavian style)



**BMT 43S** ▶  
(Scandinavian style)



**BMT 400GS** ▶



▼ **BMT 530FTD**  
(Variable speed, With Tapping,  
Digital tachometer display,  
Base with coolant tank)



■ Special optional accessories:

- Table size 585 x 190 mm w/ shortened spindle nose to table distance for BMT 205S
- Table size 600 x 300 mm w/ shortened spindle nose to table distance for BMT 43S
- Spindle auto downfeed for BMT 205S & BMT 43S

- Table power feed for BMT 400GS
- Tapping function for BMT 400GS
- Swivel vise for BMT 400GS
- 2 speed motor for BMT 400GS

**SPECIFICATION:**

DESCRIPTION	BMT 205S	BMT 43S	BMT 400GS	BMT 530FTD
Drilling capacity	Ø 32 mm			
Tapping capacity	Ø 19 mm			
Spindle taper	MT 3	MT 3 / MT 4 (opt.)	MT 3 / R8	MT 3 / MT 4 (opt.)
Spindle speed	8 steps		5 steps	Vari. speeds (inverter)
@ 50 Hz	75~3140 rpm		50~1250 rpm	H : 245~2000 rpm
@ 60 Hz	90~3580 rpm		60~1500 rpm	L : 65~540 rpm
Spindle travel	150 mm		120 mm	150 mm
Quill diameter	62 mm		75 mm	
Column diameter	100 mm	120 mm	110 mm	115 mm
Spindle center to column surface	284 mm	350 mm	275 mm	265 mm
Spindle nose to table	915 mm	950 mm	650 mm	760 mm
Spindle nose to base	1262 mm	1300 mm	1100 mm	1110 mm
Table size	505 x 405 mm		450 x 410 mm	560 x 470 mm
Table slot	16 mm x 2 x 26 mm		14 mm	16 mm
Base size	-	354 x 354 mm	650 x 450 mm	685 x 485 mm
Spindle motor	1.5 HP	2 HP	1 HP	2 HP
Coolant pump motor	1/8 HP (opt.)			
Machine size (L x W x H)	707 x 505 x 1785 mm	730 x 555 x 1800 mm	780 x 540 x 1955 mm	960 x 580 x 2035 mm
Machine packing size (L x W x H) wooden crate	920 x 570 x 1855 mm	950 x 550 x 1895 mm	725 x 600 x 1950 mm	960 x 650 x 1910 mm (carton on pallet)
Net weight / Gross weight - wooden crate	220 kgs / 230 kgs	240 kgs / 270 kgs	325 kgs / 360 kgs	340 kgs / 385 kgs

\*Specifications are subject to change without prior notice.

**2. CAPACITY 36 MM & 38 MM**

FLOOR TYPE  
Step speed, Auto feed



◀ **BMT 43SF**  
(Scandinavian style)



◀ **BMT 600B**

■ Special optional accessories:

- Extended column w/ table size 600 x 300 mm for BMT 43SF
- Round table for BMT 600B

**SPECIFICATION:**

DESCRIPTION	BMT 43SF	BMT 600B
Drilling capacity	Ø 36 mm	Ø 38 mm
Spindle taper	MT 4	
Spindle speed	8 steps	8 steps
@ 50 Hz	75~3140 rpm	80~950 rpm
@ 60 Hz	90~3580 rpm	
Spindle travel	107 mm	168 mm
Auto. Quill feeds (per revolution)	0.08 / 0.12 / 0.16 / 0.22 mm	0.10~0.18 mm
Quill diameter	62 mm	70 mm
Column diameter	120 mm	140 mm
Spindle center to column surface	350 mm	304 mm
Spindle nose to table	950 mm	825 mm
Spindle nose to base	1300 mm	1190 mm
Table size	505 x 405 mm	508 x 406 mm / Ø 400 mm (opt.)
Table slot	16 mm x 2 x 26 mm	14 mm x 2 x 24 mm
Base size	354 x 354 mm	419 x 406 mm
Spindle motor	2 HP	1.5 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	730 x 555 x 1800 mm	670 x 400 x 2055 mm
Machine packing size (L x W x H) wooden crate	950 x 550 x 1895 mm	780 x 660 x 2083 mm
Net weight / Gross weight - wooden crate	255 kgs / 285 kgs	300 kgs / 350 kgs

\*Specifications are subject to change without prior notice.

**3. CAPACITY 40 MM**

FLOOR TYPE  
Step & Variable speed, Auto feed

**BMT 401SG**  
(Step speed, With Tapping & Boring)



**BMT 530FTA**  
(Variable speed, With Tapping & Digital tachometer display)

- Special optional accessories:
- X, Y cross table for BMT 401SG
  - Multi-spindle drill head for BMT 401SG
  - Multi-spindle tapping head for BMT 401SG

**SPECIFICATION:**

DESCRIPTION	BMT 401SG	BMT 530FTA
Drilling capacity	Steel: Ø 40 mm	
Tapping capacity	Steel: M25 Cast iron: M32	Steel: Ø 19 mm Cast iron: Ø 24 mm
Boring capacity	Steel: Ø 80 mm Cast iron: Ø 100 mm	-
Spindle taper	MT 4	
Spindle speed	12 steps	Vari. speeds (inverter)
@ 50 Hz	72~1260 rpm	H : 245~2000 rpm
@ 60 Hz	90~1515 rpm	L : 65~540 rpm
Spindle travel	Manual: 180 mm / Auto: 170 mm	150 mm
Auto. Quill feeds (per revolution)	0.08 / 0.16 / 0.26 mm	0.2 / 0.1 / 0.05 mm
Quill diameter	65 mm	75 mm
Column diameter	155 mm	115 mm
Spindle center to column surface	265 mm	
Spindle nose to table	10~710 mm	650 mm
Spindle nose to base	880~1070 mm	1140 mm
Table size	Ø 510 mm / 560 x 460 mm (opt.)	560 x 470 mm
Table slot	16 mm	
Base size	810 x 460 mm	685 x 485 mm
Spindle motor	2 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	810 x 510 x 2175 mm	950 x 580 x 2000 mm
Machine packing size (L x W x H) wooden case	950 x 950 x 2330 mm	-
Machine packing size (L x W x H) wooden crate	1030 x 780 x 2300 mm	950 x 650 x 2100 mm (carton on pallet)
Net weight / Gross weight - wooden case	550 kgs / 700 kgs	-
Net weight / Gross weight - wooden crate	550 kgs / 660 kgs	385 kgs / 410 kgs

\*Specifications are subject to change without prior notice.

**4. CAPACITY 50 MM & 55 MM**

FLOOR TYPE  
Variable & Step speed, Auto feed



**BMT 551SG**  
(Step speed, With Tapping & Boring, Coolant pump, With optional square table)

- Special optional accessories:
- X, Y cross table for BMT 551SG
  - Multi-spindle drill head for BMT 551SG
  - Multi-spindle tapping head for BMT 551SG

**SPECIFICATION:**

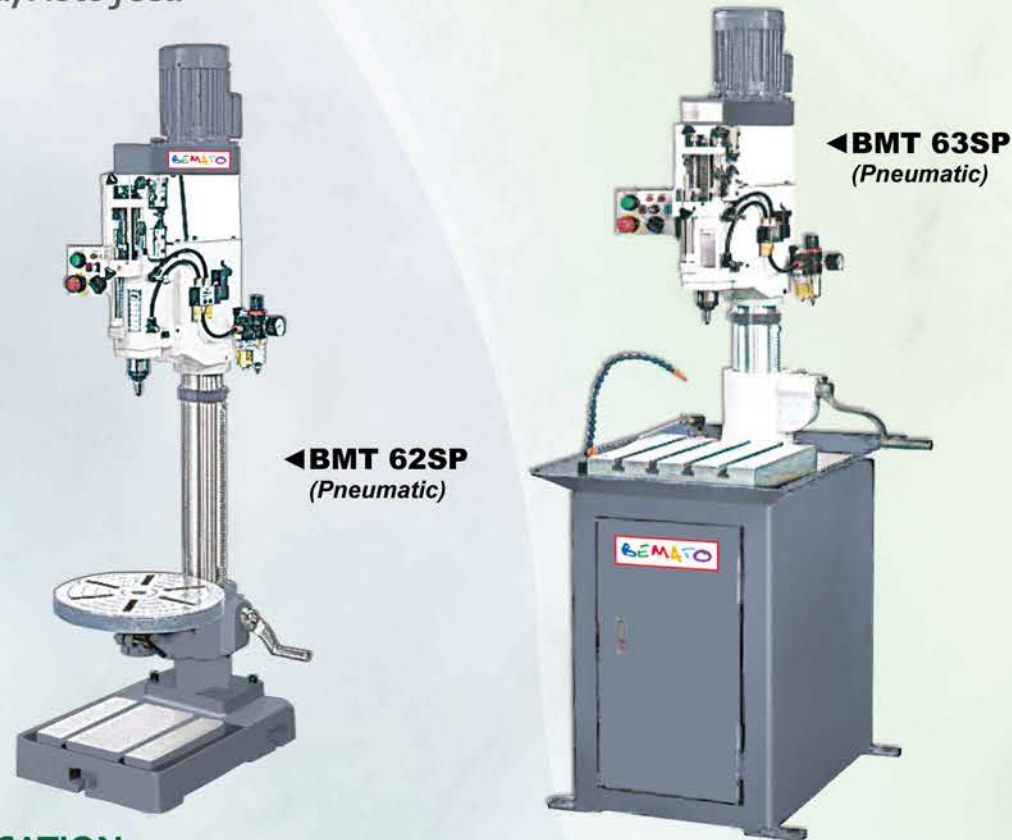
DESCRIPTION	BMT 551SG
Drilling capacity	Steel: Ø 55 mm Cast iron: Ø 60 mm
Tapping capacity	Steel: M33 Cast iron: M40
Boring capacity	Steel: Ø 120 mm Cast iron: Ø 140 mm
Spindle taper	MT 5
Spindle speed	9 steps
@ 50 Hz	53~1040 rpm
@ 60 Hz	64~1250 rpm
Spindle travel	Manual: 230 mm / Auto: 200 mm
Auto. Quill feeds (per revolution)	0.05 / 0.10 / 0.15 / 0.20 / 0.30 / 0.40 mm
Quill diameter	90 mm
Column diameter	200 mm
Spindle center to column surface	325 mm
Spindle nose to table	37~667 mm
Spindle nose to base	942~1172 mm
Table size	Ø 570 mm / 650 x 570 mm (opt.)
Table slot	16 mm
Base size	1080 x 540 mm
Spindle motor	3 HP brake motor
Coolant pump motor	1/8 HP
Machine size (L x W x H)	1080 x 570 x 2360 mm
Machine packing size (L x W x H) wooden case	1260 x 1120 x 2540 mm
Machine packing size (L x W x H) wooden crate	1280 x 1140 x 2600 mm
Net weight / Gross weight - wooden case	900 kgs / 1080 kgs
Net weight / Gross weight - wooden crate	900 kgs / 1040 kgs

\*Specifications are subject to change without prior notice.

## PNEUMATIC & HYDRAULIC TYPE

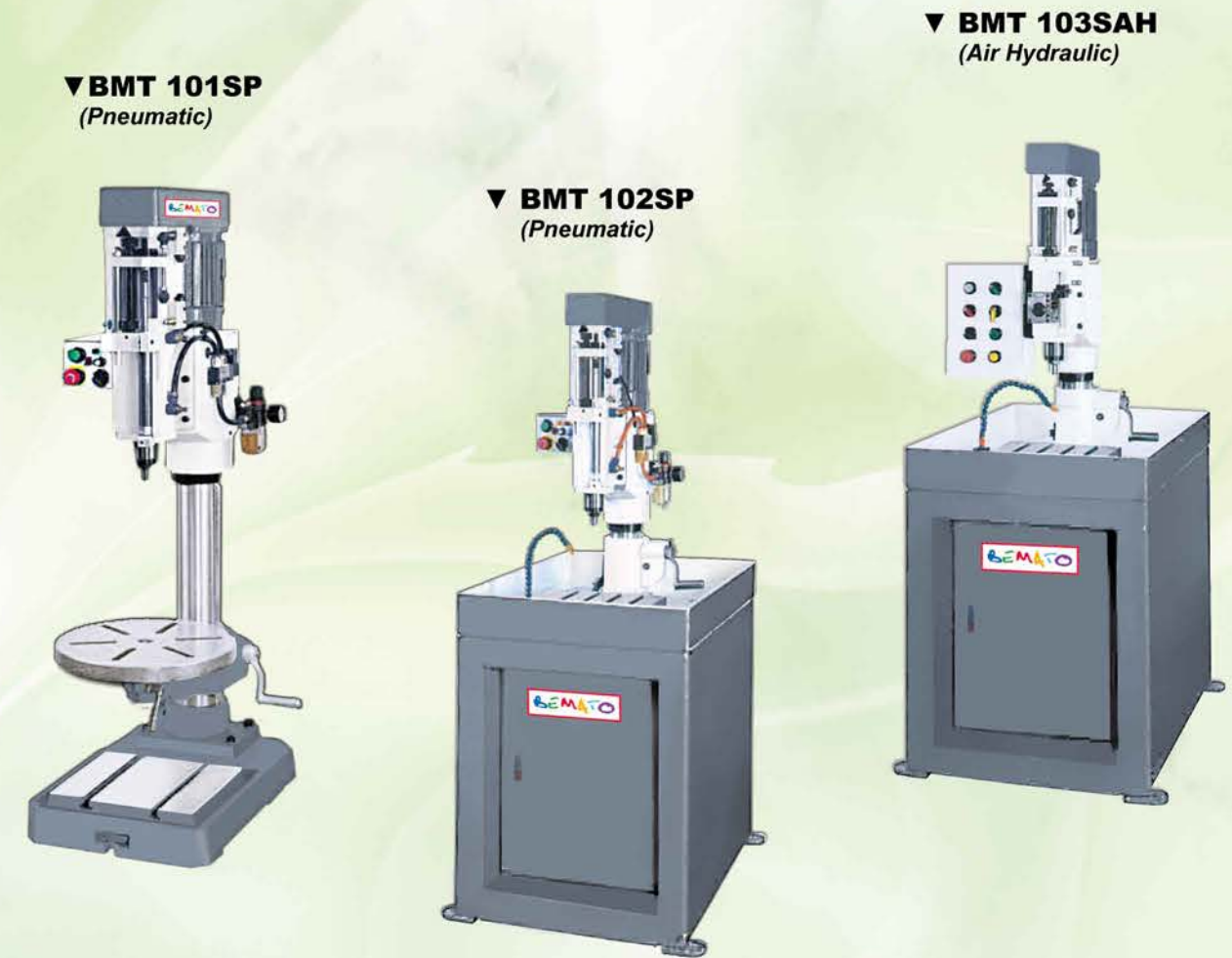
### 1. CAPACITY 6 MM

BENCH TYPE  
Step speed, Auto feed



### 2. CAPACITY 10 MM

BENCH TYPE  
Step speed, Auto feed



#### SPECIFICATION:

DESCRIPTION	BMT 62SP	BMT 63SP
Drilling capacity	Ø 6 mm	
Spindle taper	JT 2 / ER 16	
Spindle speed	3 steps	
@ 50 Hz	2500~4200 rpm	
@ 60 Hz	3000~5000 rpm	
Spindle travel	60 mm	
Stabilizer travel	25 mm	
Quill diameter	40 mm	
Column diameter	80 mm	
Spindle center to column surface	180 mm	
Spindle nose to table	400 mm	100~400 mm
Spindle nose to base	600 mm	-
Overall height	1350 mm	1600 mm
Table size	Ø 320 mm	550 x 350 mm
Base size	510 x 330 mm	-
Spindle motor	1/2 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	-	900 x 750 x 1750 mm
Net weight / Gross weight	100 kgs / 150 kgs	210 kgs / 260 kgs

\*Specifications are subject to change without prior notice.

#### SPECIFICATION:

DESCRIPTION	BMT 101SP	BMT 102SP	BMT 103SAH
Drilling capacity	Ø 10 mm		
Spindle taper	JT 6 / ER 20		
Spindle speed	3 steps		
@ 50 Hz	830~2500 rpm		
@ 60 Hz	1000~3000 rpm		
Spindle travel	100 mm		
Stabilizer travel	50 mm	-	
Quill diameter	50 mm		
Column diameter	80 mm		
Spindle center to column surface	180 mm		
Spindle nose to table	400 mm	100~400 mm	
Spindle nose to base	600 mm	-	
Overall height	1350 mm	1600 mm	
Table size	Ø 320 mm	600 x 450 mm	
Base size	510 x 300 mm	-	
Spindle motor	1 HP		
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	650 x 500 x 1400 mm	-	
Net weight / Gross weight	100 kgs / 150 kgs	230 kgs / 280 kgs	260 kgs / 310 kgs

\*Specifications are subject to change without prior notice.

### 3. CAPACITY 16 MM

BENCH TYPE  
Step speed, Auto feed

▼ **BMT 1618SP**  
(Pneumatic)



▼ **BMT 1619SH**  
(Hydraulic)



▼ **BMT 1620SH**  
(Hydraulic,  
Linear Guideway)



▼ **BMT 1621SAH**  
(Air Hydraulic,  
Linear Guideway)



### 4. CAPACITY 25 MM & 35 MM

BENCH TYPE  
Step speed, Auto feed

▼ **BMT 2512SH**  
(Hydraulic)



▼ **BMT 2513SH**  
(Hydraulic,  
Linear guideway)



▼ **BMT 351SH**  
(Hydraulic)



■ Special optional accessories:  
· Variable speed for BMT 351SH

#### SPECIFICATION:

DESCRIPTION	BMT 1618SP	BMT 1619SH	BMT 1620SH	BMT 1621SAH
Drilling capacity	Ø 16 mm			
Spindle taper	MT 2 / ER 25		MT 2	
Spindle speed	3 steps		3 steps	
@ 50 Hz	830~1670 rpm		590~2380 rpm	
@ 60 Hz	1000~2000 rpm		710~2860 rpm	
Spindle travel	150 mm		200 mm	
Stabilizer travel	50 mm		-	
Quill diameter	60 mm		65 mm	
Column diameter	102 mm		130 x 140 x 800 mm	
Spindle center to column surface	230 mm		185 mm	
Spindle nose to table	100~700 mm		320~520 mm	
Overall height	1800 mm		-	
Table size	600 x 450 mm		300 x 300 mm	
Spindle motor	2 HP		1 HP	
Coolant pump motor	1/8 HP (opt.)			
Machine size (L x W x H)	1300 x 1030 x 2000 mm		800 x 630 x 720 mm	
Net weight	350 kgs		380 kgs	

\*Specifications are subject to change without prior notice.

#### SPECIFICATION:

DESCRIPTION	BMT 2512SH	BMT 2513SH	BMT 351SH
Drilling capacity	Ø 25 mm		Ø 35 mm
Spindle taper	MT 3 / ISO 30		MT 4 / ISO 40
Spindle speed	3 steps		
@ 50 Hz	420~1250 rpm		425~1660 rpm
@ 60 Hz	500~1500 rpm		510~2000 rpm
Spindle travel	150 mm		300 mm
Quill diameter	70 mm		95 mm
Column diameter	102 mm		180 x 200 x 950 mm
Spindle center to column surface	230 mm		245 mm
Spindle nose to table	350~700 mm		250~550 mm
Overall height	2100 mm		-
Table size	600 x 450 mm		300 x 450 mm
Spindle motor	2 HP		3 HP
Coolant pump motor	1/8 HP (opt.)		
Net weight	600 kgs		700 kgs

\*Specifications are subject to change without prior notice.

**OPTIONAL ACCESSORIES FOR ALL MODEL**



**Vises**



**Drill Chucks**



**Sleeves, Arbors**



**Multi-spindle Drill Heads**



**Tapping Attachment**



**Coolant Pump**



**Clamping Kits**



**Work Lights**

**CE Standard**

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# MEMO

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**1. CAPACITY 25 MM, 30 MM & 32 MM**

**BENCH TYPE**  
Step & Variable speed,  
Manual feed



◀ **BMT 25**  
(Step speed,  
With Vise)



▲ **BMT 465BV**  
(Variable speed,  
With Digital tachometer  
display, \*Does not include  
milling cutter & arbor)

▶ **BMT 31F**  
(With Vise,  
Tapping)



- Special optional accessories:
- Tapping function for BMT 25
  - Stand
  - Coolant pump
  - Spindle auto downfeed for BMT 31F

**SPECIFICATION:**

DESCRIPTION	BMT 25	BMT 465BV	BMT 31F
Drilling capacity	Ø 25 mm	Ø 30 mm	Ø 32 mm
Tapping capacity	Ø 16 mm (opt.)	M16	Ø 16 mm
Face mill capacity	76 mm	75 mm	76 mm
End mill capacity	20 mm	-	20 mm
X x Y travel	380 x 150 mm	370 x 170 mm	460 x 190 mm
Spindle taper	MT 3 / R8		
Spindle speed @ 50 Hz	12 steps 90~2150 rpm	Vari. speeds (inverter) 150~2500 rpm	12 steps 125~2500 rpm
@ 60 Hz	110~2580 rpm		150~3000 rpm
Spindle travel	95 mm	150 mm	130 mm
Quill diameter	62 mm	75 mm	
Column diameter	92 mm	95 mm	115 mm
Spindle center to column surface	170 mm	138 mm	205 mm
Spindle nose to table	325 mm	500 mm	430 mm
Table size	585 x 190 mm	730 x 210 mm	
Table slot	14 mm x 4 x 24 mm	16 mm	16 mm x 4 x 26 mm
Base size	-	605 x 400 mm	-
Spindle motor	3/4 HP	2 HP	1.5 HP
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	920 x 890 x 900 mm	1100 x 910 x 1300 mm	1111 x 972 x 1079 mm
Stand size (L x W x H)	780 x 580 x 715 mm (opt.)	750 x 565 x 795 mm (opt.)	780 x 580 x 715 mm (opt.)
Machine packing size (L x W x H) - Wooden crate	740 x 710 x 995 mm	915 x 760 x 1220 mm (machine) 840 x 580 x 200 mm (stand) (carton on pallet)	810 x 740 x 1150 mm
Net weight / Gross weight - wooden crate	160 kgs / 190 kgs	280 kgs / 300 kgs (machine) 38.2 kgs / 40.5 kgs (stand)	230 kgs / 255 kgs

\*Specifications are subject to change without prior notice.

**2. CAPACITY 32 MM**

**FLOOR TYPE**  
Step speed, Manual & Auto feed



◀ **BMT 400HC**  
(Manual feed,  
With Cutting arbor)



◀ **BMT 400SF**  
(Auto feed)

- Special optional accessories:
- Tapping function for BMT 400HC
  - Square table for BMT 400HC
  - Swivel vise table
  - Cutting arbor for BMT 400SF
  - Cross table for BMT 400SF

**SPECIFICATION:**

DESCRIPTION	BMT 400HC	BMT 400SF
Drilling capacity	Ø 32 mm	
Tapping capacity	Ø 16 mm	
Face mill capacity	76 mm	
End mill capacity	20 mm	
X x Y travel	380 x 180 mm	
Spindle taper	MT 3 / R8	
Spindle speed @ 50 Hz	12 steps 125~2500 rpm	
@ 60 Hz	150~3000 rpm	
Spindle travel	130 mm	107 mm
Auto. Quill feeds (per revolution)	-	0.12 / 0.18 / 0.25 mm
Quill diameter	75 mm	
Column diameter	115 mm	
Spindle center to column surface	205 mm	
Spindle nose to table	320 mm	437 mm
Table size	585 x 190 mm	555 x 495 mm
Table slot	14 mm x 4 x 24 mm	16 mm x 2 x 26 mm
Base size	390 x 330 mm	
Spindle motor	1.5 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	959 x 796 x 1628 mm	890 x 540 x 1628 mm
Machine packing size (L x W x H)	830 x 740 x 1860 mm	890 x 740 x 1740 mm
Net weight / Gross weight	280 kgs / 310 kgs	285 kgs / 315 kgs

\*Specifications are subject to change without prior notice.

**1. CAPACITY 32 MM**

**BENCH TYPE**  
Step speed, Manual feed

**▼ BMT 400G**



**▼ BMT 450G**



**▼ BMT 500G2**  
(With 2 speed motor & Cabinet stand)



**▼ BMT 500G3**  
(With 2 speed motor, Cabinet stand & Chip tray)



- Special optional accessories:**
- Variable speed for BMT 450G
  - Cabinet stand for BMT 400G & 450G
  - 2 speed motor for BMT 400G & 450G
  - Z axis up & down motor
  - Table power feed
  - Swivel vise
  - Tapping function

**SPECIFICATION:**

DESCRIPTION	BMT 400G	BMT 450G	BMT 500G2	BMT 500G3
Drilling capacity	Steel: Ø 32 mm			
Tapping capacity	M8~20 mm (opt.)	M8~M25 (opt.)		
Face mill capacity	75 mm			
End mill capacity	25 mm			
X x Y travel	410 x 285 mm	430 x 285 mm	530 x 350 mm	500 x 350 x 460 mm
Head swiveling angle	(R & L) 90°			
Spindle taper	MT 3 / R8			
Spindle speed	6 steps		12 steps	
@ 50 Hz	50~1250 rpm		50~2500 rpm	
@ 60 Hz	60~1500 rpm		60~3000 rpm	
Spindle travel	120 mm			
Quill diameter	75 mm			
Column diameter	110 mm	190 mm	235 mm	
Spindle center to column surface	275 mm	280 mm		
Spindle nose to table	480 mm	450 mm	460 mm	
Table size	730 x 210 mm		820 x 240 mm	
Table slot	16 mm	16 mm x 3 x 64 mm		
Base size	650 x 405 mm		840 x 455 mm	-
Spindle motor	1 HP		1-1/2 HP	
Coolant pump motor	1/8 HP (opt.)			
Machine size (L x W x H)	850 x 780 x 1165 mm	1090 x 1090 x 1060 mm	1200 x 1080 x 2080 mm	
Stand size (L x W x H)	830 x 570 x 240 mm (opt.)	750 x 620 x 750 mm (opt.)	940 x 610 x 670 mm	880 x 500 x 700 mm
Machine packing size (L x W x H)	780 x 820 x 1160 mm	890 x 870 x 1920 mm	1060 x 1060 x 1980 mm	
Net weight / Gross weight	290 kgs / 305 kgs	400 kgs / 435 kgs	650 kgs / 690 kgs	700 kgs / 760 kgs

\*Specifications are subject to change without prior notice.

**1. CAPACITY 32 MM**

**BENCH TYPE**  
Variable speed, Manual feed



**← BMT 450GV**

**SPECIFICATION:**

DESCRIPTION	BMT 450GV
Drilling capacity	Ø 32 mm
Tapping capacity	M16
Face mill capacity	75 mm
End mill capacity	26 mm
X x Y x Z travel	430 x 285 x 450 mm
Spindle taper	MT3 or R8 / MT4 (opt.)
Spindle speed	Variable speeds L: 50~300 rpm H: 330~2000 rpm
Spindle travel	120 mm
Quill diameter	75 mm
Column diameter	190 mm
Spindle center to column surface	275 mm
Spindle nose to table	450 mm
Spindle swiveling angle (L & R)	±90°
Table size	210 x 730 mm
Table slot	16 mm
Base size	405 x 660 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Rapid feed for Z axis	1/4 HP Gear motor (opt.)
Machine size (L x W x H)	850 x 875 x 2050 mm
Machine packing size (L x W x H)	985 x 880 x 1950 mm
Net weight / Gross weight	440 kgs / 475 kgs

\*Specifications are subject to change without prior notice.

**1. CAPACITY 32 MM**

**BENCH TYPE**  
Variable speed, Manual feed



**BMT 465BT ▶**  
(With Tapping,  
Does not include  
milling cutter & arbor)

- **Special optional accessories:**
- Digital tachometer display
  - Table power feed
  - Extension column
  - Cabinet stand

**SPECIFICATION:**

DESCRIPTION	BMT 465BT
Drilling capacity	Steel: Ø 32 mm Ø 40 mm (opt.)
Tapping capacity	Ø 19 mm
End mill capacity	75 mm (depend on the cutter)
X x Y travel	360 x 230 mm
Spindle taper	MT 3 / MT 4 (opt.)
Spindle speed	Vari. speeds (inverter)
@ 50 Hz	65~2000 rpm
@ 60 Hz	
Spindle travel	150 mm
Quill diameter	75 mm
Column diameter	115 mm
Spindle center to column surface	255 mm
Spindle nose to table	480 mm
Table size	730 x 210 mm
Table slot	16 mm
Base size	670 x 400 mm
Spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	1100 x 1050 x 1370 mm
Stand size (L x W x H)	750 x 560 x 790 mm (opt.)
Machine packing size (L x W x H) - carton on pallet	915 x 760 x 1220 mm (machine) 840 x 580 x 200 mm (stand, carton only)
Net weight / Gross weight - carton on pallet	320 kgs / 360 kgs (machine) 38.2 kgs / 40.5 kgs (stand, carton only)

\*Specifications are subject to change without prior notice.

**1. CAPACITY 32 MM**

**FLOOR TYPE**  
Step speed, Manual feed



**BMT 400GCT ▶**

- **Special optional accessories:**
- Tapping function
  - Table power feed
  - Swivel vise
  - 2 speed motor

**SPECIFICATION:**

DESCRIPTION	BMT 400GCT
Drilling capacity	Steel: Ø 32 mm Cast iron: Ø 40 mm
Tapping capacity	M8~20 mm (opt.)
Face mill capacity	75 mm
End mill capacity	25 mm
X x Y travel	340 x 210 mm
Head swivelling angle	(R & L) 90°
Spindle taper	MT 3 / R8
Spindle speed	5 steps
@ 50 Hz	50~1250 rpm
@ 60 Hz	60~1500 rpm
Spindle travel	120 mm
Quill diameter	75 mm
Column diameter	110 mm
Spindle center to column surface	275 mm
Spindle nose to table	580 mm
Table size	585 x 190 mm
Table slot	14 mm
Base size	650 x 450 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	780 x 740 x 1955 mm
Machine packing size (L x W x H)	725 x 780 x 1955 mm
Net weight / Gross weight	310 kgs / 340 kgs

\*Specifications are subject to change without prior notice.



**2. CAPACITY 40 MM**

**BENCH TYPE**

Step & Variable speed, Manual & Auto feed



**BMT 40 ▶**  
(Manual feed)



**◀ BMT 45**  
(Cutter arbor with Manual feed)



**◀ BMT 40VNF**  
(Variable speed with Auto feed)

**Special optional accessories:**

- Variable speed for BMT 45
- Digital readout for BMT 45
- Spindle auto downfeed for BMT 40 & BMT 45
- Tapping function
- Cabinet stand

**SPECIFICATION:**

DESCRIPTION	BMT 40	BMT 45	BMT 40VNF
Drilling capacity		Ø 40 mm	
Tapping capacity		Ø 20 mm (opt.)	
Face mill capacity		100 mm	
End mill capacity		20 mm	
X x Y travel	460 x 230 mm	520 x 210 mm	460 x 230 mm
Spindle taper	MT 3 / R8		MT 3 / R8 / MT 4 (opt.)
Spindle speed	6 steps		Vari. Speeds 0~2500 rpm
@ 50 Hz	55~1260 rpm		
@ 60 Hz	65~1550 rpm		
Spindle travel	130 mm		107 mm
Auto. Quill feeds (per revolution)			0.12 / 0.18 / 0.25 mm
Quill diameter	75 mm		
Column diameter	115 mm	-	115 mm
Spindle center to column surface	260 mm	255 mm	260 mm
Spindle nose to table	400 mm	460 mm	400 mm
Table size	730 x 210 mm	820 x 240 mm	730 x 210 mm
Table slot	16 mm x 4 x 26 mm	4	16 mm x 4 x 26 mm
Spindle motor	1 HP / 1.5 HP		1.5 HP
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	1105 x 800 x 1350 mm	1105 x 880 x 1370 mm	1105 x 800 x 1275 mm
Stand size (L x W x H)	780 x 580 x 715 mm (opt.)		
Machine packing size (L x W x H)	810 x 740 x 1150 mm	915 x 737 x 1194 mm	810 x 740 x 1150 mm
Net weight / Gross weight	270 kgs / 300 kgs	330 kgs / 360 kgs	270 kgs / 300 kgs

\*Specifications are subject to change without prior notice.

**2. CAPACITY 40 MM**

**BENCH TYPE**

Variable speed, Manual feed



**◀ BMT 500GV**

**SPECIFICATION:**

DESCRIPTION	BMT 500GV
Drilling capacity	Ø 40 mm
Tapping capacity	M16
Face mill capacity	75 mm
End mill capacity	32 mm
X x Y x Z travel	460 x 350 x 450 mm
Spindle taper	MT3 or R8 / MT4 (opt.)
Spindle speed	Variable speeds L: 50~300 rpm H: 330~2000 rpm
Spindle travel	120 mm
Quill diameter	75 mm
Column diameter	300 mm
Spindle center to column surface	275 mm
Spindle nose to table	450 mm
Spindle swiveling angle (L & R)	±90°
Table size	240 x 820 mm
Table slot	16 mm
Base size	560 x 890 mm
Spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
Rapid feed for Z axis	1/4 HP Gear motor (opt.)
Machine size (L x W x H)	950 x 960 x 2075 mm
Machine packing size (L x W x H)	980 x 1245 x 2010 mm
Net weight / Gross weight	690 kgs / 730 kgs

\*Specifications are subject to change without prior notice.

**2. CAPACITY 40 MM**

FLOOR TYPE  
Step speed, Manual & Auto feed



◀ **BMT 40C**  
(Manual feed)



◀ **BMT 40SF**  
(Auto feed)



◀ **BMT 46SF**  
(Auto feed, With  
Coolant system)

- Special optional accessories:
- Table size 555 x 495mm for BMT 40C
  - Square table for BMT 40C
  - Swivel vise table 585 x 190mm
  - Cross table for BMT 40SF & BMT 46SF
  - Tapping function

**SPECIFICATION:**

DESCRIPTION	BMT 40C	BMT 40SF	BMT 46SF
Drilling capacity	Ø 40 mm		
Tapping capacity	Ø 20 mm (opt.)	Ø 22 mm (opt.)	
Face mill capacity	100 mm		
End mill capacity	20 mm		25 mm
X x Y travel	380 x 180 mm	380 x 180 mm (opt.)	
Spindle taper	MT 3 / R8		MT 4
Spindle speed	6 steps		
@ 50 Hz	55~1260 rpm		55~1260 rpm
@ 60 Hz	65~1550 rpm		65~1550 rpm
Spindle travel	130 mm	107 mm	
Auto. Quill feeds (per revolution)	-	0.12 / 0.18 / 0.25 mm	
Quill diameter	75 mm		
Column diameter	115 mm		
Spindle center to column surface	260 mm		
Spindle nose to table	416 mm	518 mm	530 mm
Table size	585 x 190 mm	555 x 495 mm	
Table slot	14 mm x 4 x 24 mm	16 mm x 2 x 26 mm	2
Base size	390 x 330 mm		386 x 300 mm
Spindle motor	1 HP / 1.5 HP		1.5 HP
Coolant pump motor	1/8 HP (opt.)		1/8 HP
Machine size (L x W x H)	959 x 840 x 1740 mm	744 x 540 x 1740 mm	765 x 665 x 1988 mm
Machine packing size (L x W x H)	830 x 740 x 1860 mm	830 x 740 x 1860 mm	915 x 762 x 2083 mm
Net weight / Gross weight	280 kgs / 310 kgs	285 kgs / 315 kgs	310 kgs / 340 kgs

\*Specifications are subject to change without prior notice.

**3. CAPACITY 50 MM**

FLOOR TYPE  
Step speed, Auto feed



◀ **BMT 700S**  
(With Coolant system)

- Special optional accessories:
- Swivel table 820 x 240mm
  - Cross table
  - Tapping function

**SPECIFICATION:**

DESCRIPTION	BMT 700S
Drilling capacity	Ø 50 mm
Tapping capacity	Ø 33 mm (opt.)
Face mill capacity	100 mm
End mill capacity	25 mm
X x Y travel	460 x 280 mm (opt.)
Spindle taper	MT 4
Spindle speed	6 steps
@ 50 Hz	50~1510 rpm
@ 60 Hz	60~1810 rpm
Spindle travel	200 mm
Auto. Quill feeds (per revolution)	0.1 / 0.2 / 0.3 / 0.4 mm
Quill diameter	100 mm
Column diameter	180 mm
Spindle center to column surface	340 mm
Spindle nose to table	713.5 mm
Table size	600 x 600 mm
Table slot	22 mm x 2 x 35 mm
Base size	480 x 440 mm
Spindle motor	4 HP
Coolant pump motor	1/8 HP
Machine size (L x W x H)	1026 x 600 x 2324 mm
Machine packing size (L x W x H)	1130 x 740 x 2210 mm
Net weight / Gross weight	750 kgs / 800 kgs

\*Specifications are subject to change without prior notice.

## OPTIONAL ACCESSORIES FOR ALL MODEL



Vises



Drill Chucks



Sleeves, Arbors



Multi-spindle Drill Heads



Tapping Attachment



Coolant Pump



Clamping Kits



Work Lights



Table Power Feed



Chuck Guard



Digital Readout

CE Standard

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## VERTICAL TYPE

### SOLID DRILL Hydraulic type



◀ **BMT 30ED**  
(Semi-splash guard,  
Coolant from the side)

■ **Standard accessories:**

- PLC controller & PC monitor
- Hydraulic feed
- Function preset for spindle overload
- Chip conveyor
- Coolant from the side
- Auto lubrication system for slideways
- Spindle motor & inverter controller
- Semi-splash guard
- End mill holder
- Slideway protecting cover
- Hydraulic chuck & fix plate
- Work lamp
- Work finishes warning light
- Tools & tool box

■ **Optional accessories:**

- Oil skimmer

**SPECIFICATION:**

DESCRIPTION	BMT 30ED
Drilling capacity	Ø 30 mm
Spindle taper	BT 40
Spindle speed	Vari. speeds (inverter) 1000 rpm
Spindle travel	350 mm
Hydraulic chuck	8"
Distance from chuck to spindle	470 mm
Distance from spindle to table	650 mm
Spindle motor	10 HP
Inverter controller	15 HP
Coolant pump motor	1/2 HP
Machine size (L x W x H)	2090 x 1850 x 2320 mm
Machine packing size(L x W x H)	2280 x 1960 x 2530 mm
Net weight / Gross weight	2300 kgs / 2600 kgs

\*Specifications are subject to change without prior notice.

### SOLID DRILL Hydraulic & Coolant through spindle (CTS) type



▼ **BMT 30HD / 50HD / 55HD / 60HD / 70HD**  
(Full splash guard, Coolant through spindle)

■ **CTS CUTTING TOOL**

Replaceable insert to save consumable tool cost



QUICK CHANGE TOOL HOLDER

■ **Standard accessories:**

- PLC controller & PC monitor
- Hydraulic feed
- Function preset for spindle overload
- Chip conveyor
- Auto lubrication system for slideways
- Spindle motor & inverter controller
- Full splash guard
- Coolant through spindle CTS
- End mill holder
- Slideway protecting cover
- Hydraulic chuck & fix plate
- LED work lamp
- Work finishes warning light
- Tools & tool box

■ **Optional accessories:**

- Oil skimmer
- Oil mist collector
- Cutting liquid cooler
- Solid drill
- CE standard

**SPECIFICATION:**

DESCRIPTION	BMT 30HD	BMT 50HD	BMT 55HD	BMT 60HD	BMT 70HD
Drilling capacity	Ø 5~30 mm	Ø 20~50 mm	Ø 25~55 mm	Ø 30~60 mm	Ø 30~70 mm
Spindle taper	BT 40				BT 50
Spindle speed	Vari. speeds (inverter) 2200 rpm				
Spindle travel	350 mm			450 mm	
Hydraulic chuck	8"			10"	12"
Distance from chuck to spindle	470 mm			570 mm	
Distance from spindle to table	650 mm			800 mm	
Spindle motor	10 HP			15 HP	30 HP
Inverter controller	10 HP			15 HP	30 HP
Coolant pump motor	4 HP				
Machine size (L x W x H)	2170 x 1700 x 2320 mm			2530 x 1900 x 2460 mm	
Machine packing size (L x W x H)	2360 x 2280 x 2530 mm			2120 x 2700 x 2900 mm	
Net weight / Gross weight	2550 kgs / 2850 kgs		3560 kgs / 3910 kgs	3600 kgs / 3950 kgs	3650 kgs / 4000 kgs

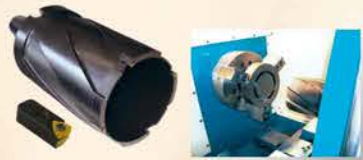
\*Specifications are subject to change without prior notice.

### SOLID & CORE DRILL Coolant through spindle (CTS) type

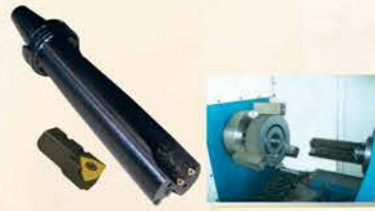
#### ▼ BMT 90HHD / BMT 150HHD (Tools stationary & Workpiece rotation)



#### Core Drill



#### Solid Drill



#### Standard accessories:

- PLC controller & PC monitor
- Function preset for spindle overload
- Chip conveyor
- Auto lubrication system for slideways
- Spindle motor & inverter controller
- Full splash guard
- Coolant through spindle
- End mill holder
- Cutting liquid cooler
- Air conditioning cooler
- Head circulated oil cooler
- LED work lamp
- Work finishes warning light
- Tools & tool box

#### Optional accessories:

- Oil skimmer
- Oil mist collector
- Core drill
- Solid drill
- 3-point steady rest
- CE standard

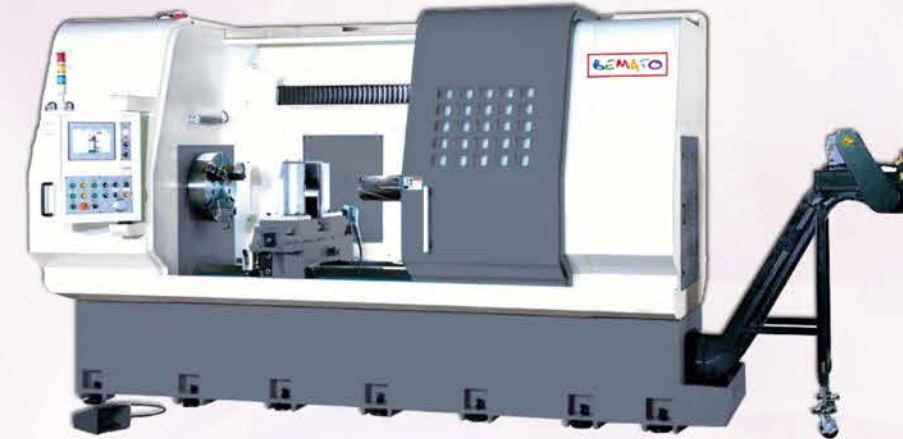
#### SPECIFICATION:

DESCRIPTION	BMT 90HHD	BMT 150HHD
Drilling capacity - solid drill	Ø 90 mm	Ø 150 mm
Drilling capacity - core drill	Ø 150 mm	Ø 200 mm
Drilling length - unilateral drill	250 mm	
Drilling length - bilateral drill	500 mm	
Z axis travel	1100 mm	
Spindle taper	BT 50 / BT 60 (opt.)	BT 50 & BT 60
Spindle speed	Vari. speeds (inverter) 250~1300 rpm	Vari. speeds (inverter) 100~1000 rpm
Hydraulic chuck	15" / 18" (opt.)	18"
Distance from chuck to spindle	1300 mm	
Distance from chuck to slideways	360 mm	
Distance from spindle to table	360 mm	
Clamping capacity	68~381 mm	85~450 mm
Spindle motor	30 HP	50 HP
Inverter controller	30 HP	50 HP
Z axis feed motor	6 HP	
Coolant pump motor	7.5 HP	
Machine size (L x W x H)	5840 x 2760 x 1950 mm	
Machine packing size (L x W x H)	5630 x 2280 x 2450 mm	
Net weight / Gross weight	7800 kgs / 8800 kgs	8000 kgs / 9000 kgs

\*Specifications are subject to change without prior notice.

### SOLID & CORE DRILL Coolant through spindle (CTS) type

#### ▼ BMT 150HTD (Tools rotation & Workpiece stationary)



#### Core Drill



#### Solid Drill



#### Standard accessories:

- PLC controller & PC monitor
- Function preset for spindle overload
- Chip conveyor
- Auto lubrication system for slideways
- Spindle motor & inverter controller
- Full splash guard
- Coolant through spindle
- End mill holder
- Cutting liquid cooler
- Air conditioning cooler
- Head circulated oil cooler
- 3-point steady rest
- LED work lamp
- Work finishes warning light
- Tools & tool box

#### Optional accessories:

- Oil skimmer
- Oil mist collector
- Core drill
- Solid drill
- Hydraulic vise steady rest
- CE standard

#### SPECIFICATION:

DESCRIPTION	BMT 150HTD
Drilling capacity - solid drill	Ø 150 mm
Drilling capacity - core drill	Ø 350 mm
Drilling length - unilateral drill	350 mm
Drilling length - bilateral drill	700 mm
Z axis travel	1250 mm
Spindle taper	BT 50 & BT 60
Spindle speed	Vari. speeds (inverter) 75~700 rpm
Hydraulic chuck	18"
Distance from chuck to spindle	1450 mm
Distance from chuck to slideways	480 mm
Distance from spindle to table	480 mm
Clamping capacity	85~450 mm
Spindle motor	50 HP
Inverter controller	50 HP
Z axis feed motor	6 HP
Coolant pump motor	7.5 HP
Machine size (L x W x H)	5500 x 2400 x 2450 mm
Machine packing size (L x W x H)	5630 x 2280 x 2850 mm
Net weight / Gross weight	8000 kgs / 9000 kgs

\*Specifications are subject to change without prior notice.

## HORIZONTAL TYPE

### SOLID DRILL Coolant through spindle (CTS) type

▼ **BMT 80HND / BMT 120HND**  
*(Tools or Workpiece rotation)*



▼ **BMT 150HND**  
*(Tools & Workpiece rotation)*



■ Standard accessories:

- PLC controller – Yaskawa-motion
- Function preset for spindle overload
- Chip conveyor
- Auto lubrication system for slideways
- Spindle motor & inverter controller
- High / low pressure coolant pump
- Pressure headstock
- Lock knife block
- Isolation block
- Cutting oil cooler
- Air conditioning cooler
- Head circulated oil cooler
- 3-point steady rest
- LED work lamp
- Work finishes warning light
- Tools & tool box

■ Optional accessories:

- PLC controller – Mitsubishi-motion
- Fanuc OiT controller

#### SPECIFICATION:

DESCRIPTION	BMT 80HND	BMT 120HND	BMT 150HND
Drilling capacity - solid drill	Ø 30~80 mm	Ø 40~120 mm	Ø 30~150 mm
Max. drilling depth	2000 mm	2000 mm	6000 mm
Max. workpiece length	2000 mm	2000 mm	6000 mm
Min. workpiece length	600 mm	600 mm	3000 mm
Z axis travel	2900 mm	2900 mm	12000 mm
Distance from spindle center to table	484 mm	484 mm	685 mm
<b>TOOL HEADSTOCK</b>			
Spindle speed	Vari. speeds (inverter) 100~1200 rpm		
Spindle motor	40 HP	50 HP	73.8 HP
Slide feed rate	10~200 mm/min		
Slide rapid rate	3000 mm/min		
<b>WORKPIECE HEADSTOCK</b>			
Spindle speed	Vari. speeds (inverter) 100~1200 rpm		
Spindle motor	40 HP	50 HP	60.5 HP
Coolant tank capacity	4000 L	5000 L	6000 L
Floor area (L x W)	3700 x 3800 mm		20700 x 6100 mm

\*Specifications are subject to change without prior notice.

# MEMO

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DRILLING MACHINE

DRILLING & MILLING MACHINE

NC DRILLING MACHINE

RADIAL DRILL

TAPPING MACHINE

**BENCH TYPE**  
Step speed, Manual feed



◀ **BMT 13RD**

**SPECIFICATION:**

DESCRIPTION	BMT 13RD
Drilling capacity	Ø 13 mm
Spindle taper	MT 2
Spindle speed	9 steps
@ 50 Hz	240~2840 rpm
@ 60 Hz	290~3440 rpm
Spindle travel	80 mm
Quill diameter	65 mm
Column diameter	80 mm
Spindle center to column surface	180 mm
Spindle nose to table	450 mm
Spindle nose to base	620 mm
Table size	700 x 450 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	1030 x 520 x 1430 mm
Machine packing size (L x W x H) wooden crate	1080 x 545 x 1525 mm
Net weight / Gross weight - crate	100 kgs / 120 kgs

\*Specifications are subject to change without prior notice.

**BENCH TYPE**  
Step speed, Manual feed



▼ **BMT 20RD**



▼ **BMT 35**  
(With Drill chuck & Chuck arbor)



◀ **BMT 40RD**  
(With Stand)

- **Special optional accessories:**
- Tapping function for BMT 35
  - Stand for BMT 35
  - Drill chuck for BMT 20RD, BMT 40RD
  - Taper shank arbor for BMT 20RD, BMT 40RD
  - Work lamp
  - Coolant system
  - CE standard

**SPECIFICATION:**

DESCRIPTION	BMT 20RD	BMT 35	BMT 40RD
Drilling capacity	Ø 20 mm	Ø 32 mm	Ø 30~40 mm
Tapping capacity	-	Ø 16 mm (opt.)	-
Face Mill	-	76 mm	-
End Mill	-	20 mm	-
Spindle taper	JT 3 JT 6 / JT 33 / B 16 / B 18 / MT 2 (opt.)	MT 3	MT 2 JT 3 / B 18 (opt.)
Spindle speed	5 steps	300~2600 rpm	5 steps
@ 50 Hz	515~2580 rpm	340~3000 rpm	420~2600 rpm
@ 60 Hz	690~3000 rpm		500~3120 rpm
Spindle travel	85 mm	130 mm	80 mm
Spindle center to column surface	915 mm	-	607.5 mm
Throat	120~460 mm	460 mm	500~740 mm
Horizontal travel of headstock	-	380 mm	-
Column diameter	60 mm	115 mm	80 mm
Overall height	800 mm	1092 mm	1700 mm
Table size	235 x 215 mm	550 x 500 mm	500 x 530 mm
Table slot	2	16 mm x 26 mm	3
Base size	380 x 210 mm	500 x 395 mm	740 x 500 mm
Spindle motor	1/4 HP 1/3 HP / 1/2 HP (opt.)	1.5 HP	1/3 HP 1/2HP / 3/4HP / 1HP (opt.)
Machine size (L x W x H)	H : 800 mm	805 x 610 x 1200 mm	H : 920 mm
Stand size (L x W x H)	-	912 x 681 x 681 mm	724 x 505 x 780 mm
Machine packing size (L x W x H)	879 x 355 x 291 mm	890 x 610 x 160 mm	1160 x 660 x 1621 mm
Net weight / Gross weight	40 kgs / 42 kgs	250 kgs / 280 kgs	230 kgs / 258 kgs

\*Specifications are subject to change without prior notice.

## MECHANICAL CLAMPING

**FLOOR TYPE**  
Step speed, Auto feed

▼ **BMT 750RD / BMT 900RD**



◀ **BMT 1100RD**

- **Standard accessories:**
  - Coolant system
  - Work lamp
  - Tools & tool box
- **Optional accessories:**
  - Tilting box table
  - Drill & tapping tool set
  - CE & CSA standard

### SPECIFICATION:

DESCRIPTION	BMT 750RD	BMT 900RD	BMT 1100RD
Drilling capacity	Steel: $\varnothing$ 38 mm Cast iron: $\varnothing$ 50 mm		Steel: $\varnothing$ 50 mm Cast iron: $\varnothing$ 55 mm
Tapping capacity	Steel: $\varnothing$ 25 mm Cast iron: $\varnothing$ 32 mm		Steel: $\varnothing$ 30 mm Cast iron: $\varnothing$ 38 mm
Boring capacity	Steel: $\varnothing$ 75 mm Cast iron: $\varnothing$ 105 mm		Steel: $\varnothing$ 85 mm Cast iron: $\varnothing$ 120 mm
Spindle taper	MT 4		
Spindle speed @ 60 Hz	6 steps 88~1500 rpm		12 steps 44~1500 rpm
Spindle travel	200 mm		250 mm
Horizontal travel of headstock	500 mm	650 mm	810 mm
Auto. Quill feeds (per revolution)	0.05 / 0.09 / 0.15 mm		
Column diameter	210 mm		300 mm
Column height	1850 mm		2160 mm
Spindle center to column surface	290~775 mm	290~920 mm	330~1145 mm
Spindle to base	282~1110 mm		290~1210 mm
Table size (L x W x H)	550 x 405 x 315 mm		650 x 500 x 410 mm
Base size (L x W)	1280 x 640 mm	1435 x 640 mm	1800 x 800 mm
Spindle motor	2 HP		3 HP
Coolant pump motor	1/8 HP		
Machine size (L x W x H)	1280 x 640 x 1850 mm	1435 x 640 x 1850 mm	1800 x 800 x 2160 mm
Machine packing size (L x W x H)	1430 x 820 x 2060 mm	1580 x 820 x 2060 mm	2010 x 1050 x 2230 mm
Net weight / Gross weight	1100 kgs / 1200 kgs	1170 kgs / 1270 kgs	2000 kgs / 2100 kgs

\*Specifications are subject to change without prior notice.

## HYDRAULIC CLAMPING

**FLOOR TYPE**  
Step speed, Auto feed

▼ **BMT 1280RD / BMT 1300RD / BMT 1700RD**



Drill & tapping tool set

- **Standard accessories:**
  - Coolant system
  - Work lamp
  - Tools & tool box
- **Optional accessories:**
  - Tilting box table
  - Drill & tapping tool set
  - CE & CSA standard

### SPECIFICATION:

DESCRIPTION	BMT 1280RD	BMT 1300RD	BMT 1700RD
Drilling capacity	Steel: $\varnothing$ 50 mm Cast iron: $\varnothing$ 55 mm	Steel: $\varnothing$ 55 mm Cast iron: $\varnothing$ 66 mm	Steel: $\varnothing$ 60 mm Cast iron: $\varnothing$ 70 mm
Tapping capacity	Steel: $\varnothing$ 30 mm Cast iron: $\varnothing$ 38 mm	Steel: $\varnothing$ 50 mm Cast iron: $\varnothing$ 60 mm	
Boring capacity	Steel: $\varnothing$ 85 mm Cast iron: $\varnothing$ 120 mm	Steel: $\varnothing$ 100 mm Cast iron: $\varnothing$ 160 mm	Steel: $\varnothing$ 126 mm Cast iron: $\varnothing$ 180 mm
Spindle taper	MT 4	MT 5	
Spindle speed @ 60 Hz	12 steps 44~1500 rpm		12 steps 30~1500 rpm
Spindle travel	250 mm		
Horizontal travel of headstock	920 mm		1300 mm
Auto. Quill feeds (per revolution)	0.05 / 0.09 / 0.15 mm	6 steps / 0.05~0.306 mm	
Column diameter	300 mm		336 mm
Column height	2160 mm		2440 mm
Spindle center to column surface	330~1240 mm		360~1650 mm
Spindle to base	290~1210 mm		344~1410 mm
Table size (L x W x H)	650 x 500 x 410 mm		800 x 540 x 400 mm
Base size (L x W)	1800 x 800 mm		2360 x 940 mm
Spindle motor	3 HP	5 HP	7.5 HP
Coolant pump motor	1/8 HP		
Machine size (L x W x H)	1800 x 800 x 2160 mm		2360 x 940 x 2410 mm
Machine packing size (L x W x H)	2290 x 1100 x 2230 mm		2850 x 1210 x 2540 mm
Net weight / Gross weight	2050 kgs / 2150 kgs	2150 kgs / 2250 kgs	3150 kgs / 3250 kgs

\*Specifications are subject to change without prior notice.



### FLOOR TYPE

Step speed, Auto feed

▼ BMT 2000RD / BMT 2500RD



Drill & tapping tool set

■ Standard accessories:

- Table
- Coolant system
- Work lamp
- Tools & tool box

■ Optional accessories:

- Tilting box table
- Drill & tapping tool set
- CE & CSA standard

### SPECIFICATION:

DESCRIPTION	BMT 2000RD	BMT 2500RD
Drilling capacity	Steel: $\phi$ 85 mm Cast iron: $\phi$ 105 mm	
Tapping capacity	Steel: M65 Cast iron: M75	
Boring capacity	Steel: $\phi$ 150 mm Cast iron: $\phi$ 200 mm	
Spindle taper	MT 6	
Spindle speed @ 60 Hz	Variable speeds (inverter) H: 300~1300 rpm / L: 20~300 rpm	
Spindle travel	400 mm	
Horizontal travel of headstock	1530 mm	2030 mm
Auto. Quill feeds (per revolution)	10 steps 0.04~1.15 mm	
Column diameter	480 mm	
Column height	2950 mm	
Spindle center to column surface	420~2000 mm	420~2500 mm
Spindle to base	560~1750 mm	
Table size (L x W x H)	800 x 540 x 400 mm x 2 pcs	
Base size (L x W)	2900 x 1200 x 250 mm	3400 x 1200 x 250 mm
Spindle motor	10 HP	
Coolant pump motor	1/4 HP	
Machine size (L x W x H)	2900 x 1200 x 3400 mm	3400 x 1200 x 3400 mm
Machine packing size (L x W x H)	3150 x 1450 x 3300 mm	3650 x 1450 x 3300 mm
Net weight / Gross weight	7100 kgs / 8000 kgs	7700 kgs / 8500 kgs

\*Specifications are subject to change without prior notice.

### FLOOR TYPE

Variable speed, Auto feed, NC control

▼ BMT 1300NCT / BMT 1700NCT



Rotary table

■ Standard accessories:

- Coolant system
- Work lamp
- Tools & tool box

■ Optional accessories:

- Tilting box table
- Drill & tapping tool set
- Rotary table
- LED lamp
- CE & CSA standard

### SPECIFICATION:

DESCRIPTION	BMT 1300NCT	BMT 1700NCT
Drilling capacity	Steel: $\phi$ 55 mm Cast iron: $\phi$ 66 mm	Steel: $\phi$ 55 mm Cast iron: $\phi$ 70 mm
Tapping capacity	Steel: $\phi$ 50 mm Cast iron: $\phi$ 60 mm	
Boring capacity	Steel: $\phi$ 100 mm Cast iron: $\phi$ 160 mm	Steel: $\phi$ 126 mm Cast iron: $\phi$ 186 mm
Spindle taper	MT 5	
Spindle speed @ 60 Hz	Vari. speeds (inverter) H.L 20~1500 rpm	
Spindle travel	250 mm	300 mm
Horizontal travel of headstock	915 mm	1310 mm
Auto. Quill feeds (per revolution)	DC motor 1~600 mm/min	
Column diameter	300 mm	336 mm
Column height	2160 mm	2410 mm
Spindle center to column surface	330~1250 mm	400~1600 mm
Spindle to base	290~1210 mm	260~1410 mm
Table size (L x W x H)	650 x 500 x 410 mm	800 x 540 x 400 mm
Base size (L x W)	1800 x 800 mm	2350 x 920 mm
Spindle motor	5 HP	
Coolant pump motor	1/8 HP	
Machine size (L x W x H)	1800 x 800 x 2160 mm	2370 x 920 x 2410 mm
Machine packing size (L x W x H)	2290 x 1100 x 2230 mm	2850 x 1210 x 2540 mm
Net weight / Gross weight	2150 kgs / 2250 kgs	3150 kgs / 3250 kgs

\*Specifications are subject to change without prior notice.



ALL

## 1. CAPACITY 6 MM

BENCH TYPE  
Step speed, Manual feed

▼ **BMT 64ST**  
(Clutch controlled)



▼ **BMT 65ST**



▼ **BMT 66ST**  
(Clutch controlled)



## 2. CAPACITY 8 MM

BENCH TYPE  
Step speed, Auto feed

**BMT 81ST** ▶



**BMT 82ST** ▶



**BMT 83ST** ▶  
(With Stand)



### SPECIFICATION:

DESCRIPTION	BMT 64ST	BMT 65ST	BMT 66ST
Tapping capacity	M6	Steel: M3~M6 Cast iron: M3~M8	Steel: Ø 6 mm Cast iron: Ø 10 mm
Spindle taper	JT 2		
Spindle speed	3 steps	2 steps	2 steps
@ 50 Hz	710~1300 rpm	650 / 1030 rpm	710~1120 rpm
@ 60 Hz	850~1560 rpm	780 / 1240 rpm	850~1360 rpm
Spindle travel	30 mm	36 mm	30 mm
Quill diameter	59 mm	34 mm	15 mm
Column diameter	60 mm	59 mm	60 mm
Spindle center to column surface	130 mm	127 mm	126 mm
Spindle nose to table	280 mm	295 mm	260 mm
Spindle nose to base	430 mm	455 mm	440 mm
Table size	Ø 250 mm	Ø 240 mm	Ø 230 mm
Base size	420 x 240 mm	395 x 250 mm	380 x 235 mm
Spindle motor	1/2 HP	1/2 HP / 1/3 HP	1/2 HP
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	620 x 320 x 900 mm	540 x 300 x 880 mm	510 x 250 x 950 mm
Machine packing size (L x W x H) wooden crate	675 x 375 x 990 mm	640 x 380 x 1080 mm	-
Net weight / Gross weight - wooden crate	48 kgs / 58 kgs	50 kgs / 70 kgs	60 kgs / -

\*Specifications are subject to change without prior notice.

### SPECIFICATION:

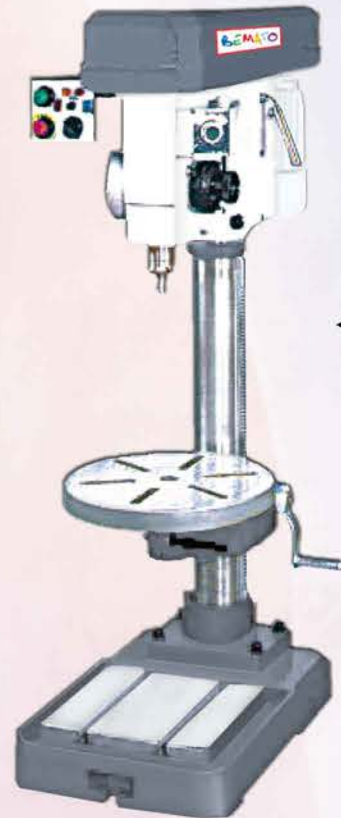
DESCRIPTION	BMT 81ST	BMT 82ST	BMT 83ST
Tapping capacity	Ø 1~8 mm	M8	
Spindle taper	JT 2		
Spindle speed	3 steps	3 steps	
@ 50 Hz	620~1400 rpm	420~1340 rpm	
@ 60 Hz	740~1670 rpm	500~1600 rpm	
Spindle travel	45 mm		
Quill diameter	42 mm		
Column diameter	52 mm		
Spindle center to column surface	184 mm	180 mm	
Spindle nose to table	350 mm	-	380 mm
Spindle nose to base	-	380 mm	-
Up-down travel of the head	-	280 mm	
Overall height	-	930 mm	1720 mm
Table size	230 x 225 mm	-	600 x 450 mm
Base size	415 x 300 mm	500 x 340 mm	-
Spindle motor	1/2 HP	1 HP	
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	615 x 330 x 755 mm	760 x 570 x 800 mm	-
Net weight / Gross weight - wooden crate	97 kgs / -	120 kgs / 130 kgs	230 kgs / 280 kgs

\*Specifications are subject to change without prior notice.

ALL

## 2. CAPACITY 8 MM

FLOOR TYPE  
Step speed, Auto feed



←BMT 84ST

### SPECIFICATION:

DESCRIPTION	BMT 84ST
Tapping capacity	M8
Spindle taper	JT 2
Spindle speed	3 steps
@ 50 Hz	420~1340 rpm
@ 60 Hz	500~1600 rpm
Spindle travel	45 mm
Quill diameter	42 mm
Column diameter	80 mm
Spindle center to column surface	180 mm
Spindle nose to table	350 mm
Spindle nose to base	600 mm
Overall height	1100 mm
Table size	∅ 320 mm
Base size	510 x 330 mm
Spindle motor	1 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	800 x 600 x 1300 mm
Net weight / Gross weight - wooden crate	160 kgs / 180 kgs

\*Specifications are subject to change without prior notice.

## 3. CAPACITY 10 MM

BENCH TYPE  
Step speed, Manual feed



←BMT 104ST



←BMT 105ST  
(Clutch controlled)

### SPECIFICATION:

DESCRIPTION	BMT 104ST	BMT 105ST
Tapping capacity	Steel: M5~M10 Cast iron: M5~M13	Steel: ∅ 5~10 mm Cast iron: ∅ 5~13 mm
Spindle taper	JT 6	
Spindle speed	3 steps	3 steps
@ 50 Hz	230 / 450 / 650 rpm	260~720 rpm
@ 60 Hz	270 / 540 / 780 rpm	310~860 rpm
Spindle travel	50 mm	45 mm
Quill diameter	53 mm	52 mm
Column diameter	80 mm	
Spindle center to column surface	180 mm	175 mm
Spindle nose to table	500 mm	460 mm
Spindle nose to base	685 mm	640 mm
Table size	∅ 310 mm	∅ 320 mm
Base size	505 x 305 mm	500 x 300 mm
Spindle motor	1/2 HP / 1 HP	1 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	640 x 370 x 1200 mm	610 x 310 x 1170 mm
Machine packing size (L x W x H) wooden crate	760 x 420 x 1420 mm	-
Net weight / Gross weight - wooden crate	100 kgs / 130 kgs	110 kgs / -

\*Specifications are subject to change without prior notice.

ALL

## 4. CAPACITY 12 MM

BENCH TYPE  
Step speed, Manual & Auto feed



## 5. CAPACITY 16 MM

BENCH TYPE  
Step speed, Auto feed



### SPECIFICATION:

DESCRIPTION	BMT 121ST	BMT 122ST
Tapping capacity	M12	
Spindle taper	JT 6	MT 2
Spindle speed	3 steps	3 steps
@ 50 Hz	290~625 rpm	500~1250 rpm
@ 60 Hz	350~750 rpm	600~1500 rpm
Spindle travel	40 mm	100 mm
Quill diameter	73 mm	65 mm
Column diameter	80 mm	
Spindle center to column surface	180 mm	
Spindle nose to table	450 mm	400 mm
Spindle nose to base	600 mm	
Overall height	-	1150 mm
Table size	Ø 320 mm	
Base size	500 x 300 mm	510 x 330 mm
Spindle motor	1 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	640 x 340 x 1230 mm	730 x 390 x 1300 mm
Machine packing size (L x W x H) wooden crate	690 x 395 x 1320 mm	750 x 450 x 1450 mm
Net weight / Gross weight - wooden crate	100 kgs / 110 kgs	120 kgs / 130 kgs

\*Specifications are subject to change without prior notice.

### SPECIFICATION:

DESCRIPTION	BMT 1622ST	BMT 1623ST	BMT 1624ST
Tapping capacity	Ø 3~16 mm	M16	
Spindle taper	MT 2	MT 3	
Spindle speed	3 steps		
@ 50 Hz	155~515 rpm		
@ 60 Hz	190~620 rpm		
Spindle travel	65 mm		
Quill diameter	70 mm		
Column diameter	85 mm		
Spindle center to column surface	237 mm	230 mm	
Spindle nose to table	470 mm	-	470 mm
Spindle nose to base	-	470 mm	-
Up-down travel of the head	-	380 mm	
Overall height	-	1130 mm	1920 mm
Table size	340 x 340 mm	-	600 x 450 mm
Base size	580 x 425 mm	580 x 390 mm	-
Spindle motor	1 HP	2 HP	
Coolant pump motor	1/8 HP (opt.)		
Machine size (L x W x H)	825 x 425 x 1040 mm	850 x 650 x 1000 mm	-
Machine packing size (L x W x H) wooden crate	-	900 x 700 x 1150 mm	-
Net weight / Gross weight - wooden crate	200 kgs / -	320 kgs / 330 kgs	420 kgs / 470 kgs

\*Specifications are subject to change without prior notice.

### 5. CAPACITY 16 MM

FLOOR TYPE  
Step speed, Auto feed



← BMT 1625ST

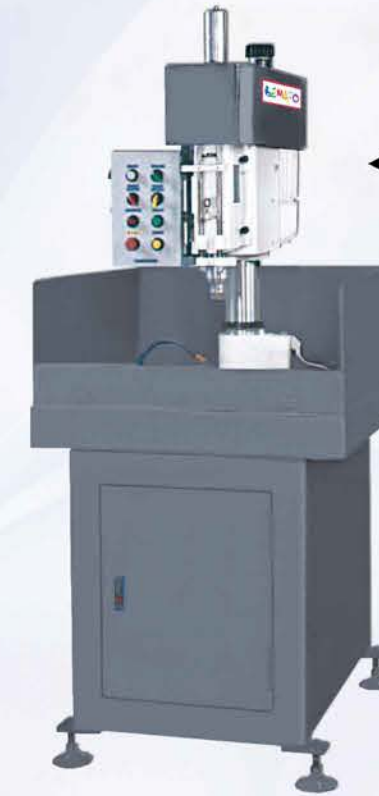
#### SPECIFICATION:

DESCRIPTION	BMT 1625ST
Tapping capacity	M16
Spindle taper	MT 3
Spindle speed	3 steps
@ 50 Hz	155~515 rpm
@ 60 Hz	190~620 rpm
Spindle travel	65 mm
Quill diameter	70 mm
Column diameter	102 mm
Spindle center to column surface	230 mm
Spindle nose to table	530 mm
Spindle nose to base	840 mm
Overall height	1500 mm
Table size	420 mm
Base size	580 x 390 mm
Spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	900 x 650 x 1550 mm
Net weight / Gross weight - wooden crate	370 kgs / 390 kgs

\*Specifications are subject to change without prior notice.

### 6. CAPACITY 20 MM

BENCH & FLOOR TYPE  
Step speed, Auto feed



← BMT 209ST  
(Bench type)



← BMT 210ST  
(Floor type)

#### SPECIFICATION:

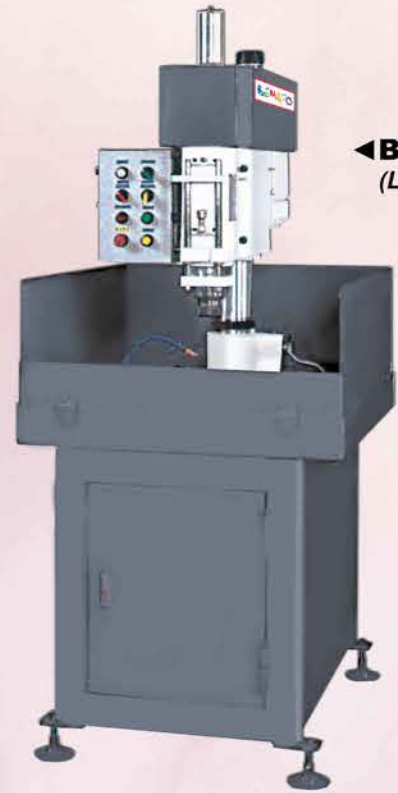
DESCRIPTION	BMT 209ST	BMT 210ST
Tapping capacity	M20	
Spindle taper	MT 3 / ISO 30	MT 3
Spindle speed	3 steps / 35~250 rpm, 100~300 rpm	
@ 50 Hz	Vari. speeds / 275~1110 rpm, 330~1330 rpm (opt.)	
@ 60 Hz		
Spindle travel	120 mm	140 mm
Quill diameter	70 mm	95 mm
Column diameter	102 mm	
Spindle center to column surface	230 mm	
Spindle nose to table	350~700 mm	630 mm
Spindle nose to base	-	930 mm
Overall height	2100 mm	1700 mm
Table size	600 x 450 mm	∅ 420 mm
Base size	-	600 x 410 mm
Spindle motor	2 HP	
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	1300 x 1030 x 2000 mm	950 x 600 x 1850 mm
Machine packing size (L x W x H) wooden crate	-	1010 x 660 x 2000 mm
Net weight / Gross weight - wooden crate	600 kgs / 650 kgs	220 kgs / 230 kgs

\*Specifications are subject to change without prior notice.

ALL

## 7. CAPACITY 30 MM & 32 MM

BENCH TYPE  
Step speed, Auto feed



◀ **BMT 307ST**  
(Leadscrew type)



◀ **BMT 323ST**  
(Gear type)

## 8. CAPACITY 35 MM

FLOOR TYPE  
Step speed, Manual feed



◀ **BMT 352ST**  
(Electronic, Chain type)

### SPECIFICATION:

DESCRIPTION	BMT 307ST	BMT 323ST
Tapping capacity	M30	Ø 5~32 mm
Spindle taper	MT 4	MT 3
Spindle speed @ 50 Hz @ 60 Hz	3 steps / 35~250 rpm, 100~300 rpm Vari. speeds / 275~1110 rpm, 330~1330 rpm (opt.)	3 steps 50~200 rpm 60~240 rpm
Spindle travel	150 mm	65 mm
Quill diameter	90 mm	85 mm
Column diameter	115 mm	95 mm
Spindle center to column surface	260 mm	252 mm
Spindle nose to table	350~700 mm	600 mm
Overall height	2100 mm	-
Table size	600 x 450 mm	380 x 340 mm
Base size	-	600 x 480 mm
Spindle motor	3 HP	2 HP
Coolant pump motor	1/8 HP (opt.)	
Machine size (L x W x H)	1300 x 1030 x 2000 mm	825 x 480 x 1200 mm
Net weight / Gross weight - wooden crate	700 kgs / 750 kgs	250 kgs / -

\*Specifications are subject to change without prior notice.

### SPECIFICATION:

DESCRIPTION	BMT 352ST
Tapping capacity	Steel: Ø 19~35 mm Cast iron: Ø 19~38 mm
Spindle taper	MT 3
Spindle speed @ 50 Hz @ 60 Hz	1 step 80~250 rpm 80~250 rpm
Spindle travel	140 mm
Quill diameter	95 mm
Column diameter	102 mm
Spindle center to column surface	230 mm
Spindle nose to table	630 mm
Spindle nose to base	930 mm
Table size	Ø 420 mm
Base size	615 x 385 mm
Spindle motor	2 HP
Coolant pump motor	1/8 HP (opt.)
Machine size (L x W x H)	840 x 420 x 1545 mm
Net weight	215 kgs

\*Specifications are subject to change without prior notice.

