

HIGH SPEED PRECISION LATHES

CL Series

BMT - 1740 / 1760 CL
- 1740 / 1760 CLV

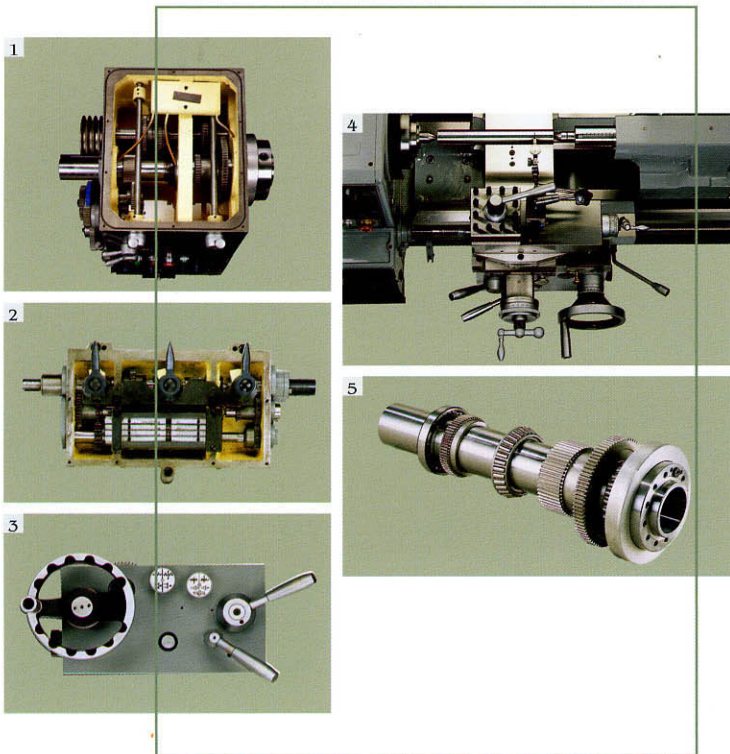


Photo shown model : BMT 1740CL

- E.V.S models with auto lubrication system to headstock & external tank for cooling the oil.
- All models with one piece solid stand.
- All models with universal feed gearbox & reversable apron.
- All models meet CE. (on request)
- All models with 52.5mm (2.066") spindle bore, ASA D1-6.
- All models cross slide is hardened and ground to prolong operation life.

FEATURES

- All castings are properly stabilized and stress relieved.
- Bed ways are hardened & ground to min. HS-70.
- Turcite B coating between the bed and carriage.
- Extremely low noise level.
- Foot brake pedal provided.
- Built-in coolant pump & fitting provided.
- CSS (constant surface speed control) on request for E.V.S. model
- Wider bed way which give absorbs vibration.



- 11| HEADSTOCK • Housing is vibration-absorbent, deflection-free. • Gears are hardened & MAAG or REISHAUER ground. • Spindle machined from forged alloy steel, hardened, ground & treated by dynamically balanced.
- 12| GEAR BOX • Universal type allowing a wide range of inch, metric, M.P., D.P. threads without change gears.
- 13| APRON • R/H or L/H wheel can be available on request. • Integrated automatic control for longitudinal & cross feeds, forward & reverse feeds.
- 14| CARRIAGE & SLIDE • Anti-Float design backlash eliminator fitted in cross slide nut. • Safety clutch at feed shaft. • One shot lubrication in carriage & top slide. • Dual dials supply inch system screw. • Metric dial supply metric system only. SAFETY FEATURES • Nylon safety gears in end train. • Shear pin in leadscrew.
- 15| HEAVY DUTY SPINDLE • The spindle is supported at three-point by high precision taper roller and ball bearings keeps rigid, high accuracy.



STANDARD ACCESSORIES:

- 1 Backplate for 9" chuck
- 2 Dead center MT.4
- 3 Dead center MT.4 with carbide tip
- 4 Spindle center sleeve MT.6

- 5 Level pads.....6 pcs
- 6 Tool set & Box
- 7 Operation manual & parts list

OPTIONAL ACCESSORIES:

- 1 3-Jaws scroll 9" chuck
- 2 4-Jaws independent 9" chuck
- 3 5C collet closer attachment
- 4 5C collets (metric or inch)
- 5 Driving plate with dog
- 6 Chuck safety guard
- 7 Hydraulic copying attachment

- 8 Tool post grinder attachment
- 9 Taper turning attachment
- 10 Electrical system for CE
- 11 Protect cover on leadscrew for CE
- 12 Steady rest w/ball bearing
- 13 Follow rest w/bronze tip
- 14 Faceplate 12"

- 15 Drill chuck & arbor
- 16 Rotating center MT.4
- 17 Halogen lamp
- 18 Quick change tool post
- 19 Carriage micro stop set
- 20 Digital read out system
- 21 Full length splash guard

BMT - 1740CL

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MODEL

Capacity	Height of centers	216 mm (8.5")			
	Swing over bed	ø435 mm (17")			
	Swing in gap	ø622 mm (24.48")			
	Swing over cross slide	ø277 mm (10.9")			
	Distance between centers	1000 mm (40")	1500 mm (60")	1000 mm (40")	1500 mm (60")
Headstock and Main Spindle	Width of bed	305 mm (12")			
	Gap width in front of faceplate	120 mm (4.72")			
	Spindle nose, internal taper	D1-6, MT.No.6			
	Spindle center sleeve	MT. No.6 x MT. No.4			
	Spindle bore	ø52.5 mm (2.066")			
Carriage	Gear steps	8 steps 4P / 80~2000 R.P.M.		2 steps / $\frac{L}{H}$ 20~400 R.P.M.	
	Spindle speed: / Range	OPT. 16 steps / $\frac{8P}{4P}$ 40~1000 R.P.M. / 80~2000 R.P.M.		4P H 400~2500 R.P.M.	
Threads and Feeds	Length on bed / Width of carriage	440 mm (17.32") / 477 mm (18.77")			
	Cross slide travel	235 mm (9.25")			
	Top slide travel	160 mm (6.3")			
	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.			
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm			
Tailstock	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.			
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.			
	Longitudinal feeds	0.04~1.0 mm (0.0015"~0.04")			
	Cross feeds	0.02~0.5 mm (0.00075"~0.02")			
	Quill diameter	ø59 mm (2.322")			
Motor	Quill travel	127 mm (5")			
	Taper of center	MT.No.4			
	Main spindle	5HP 4P OPT. 7.5HP 4P/3.75 HP 8P		AC 3.7kW (5HP), Inverter 1/4HP	
Measurement	Forced lubrication for HD.	-----			
	Coolant pump	1/8HP			
	Weight (Net /Gross) Approx.	1600 kgs / 1900 kgs	1850 kgs / 2150 kgs	1600 kgs / 1900 kgs	1850 kgs / 2150 kgs
Packing sizes	Length	2400 mm (94.5")	2900 mm (114.2")	2400 mm (94.5")	2900 mm (114.2")
	Width x Height	Width 1120 mm (44.1") x Height 1745 mm (68.7")			

Specifications subject to change without notice.