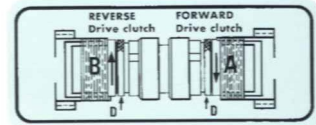


# HIGH SPEED PRECISION LATHES

**BHL** Series



**BHL-1550**



Photo shown model : BHL-1550  
w/protect cover on leadscrew

**BHL-1550V**

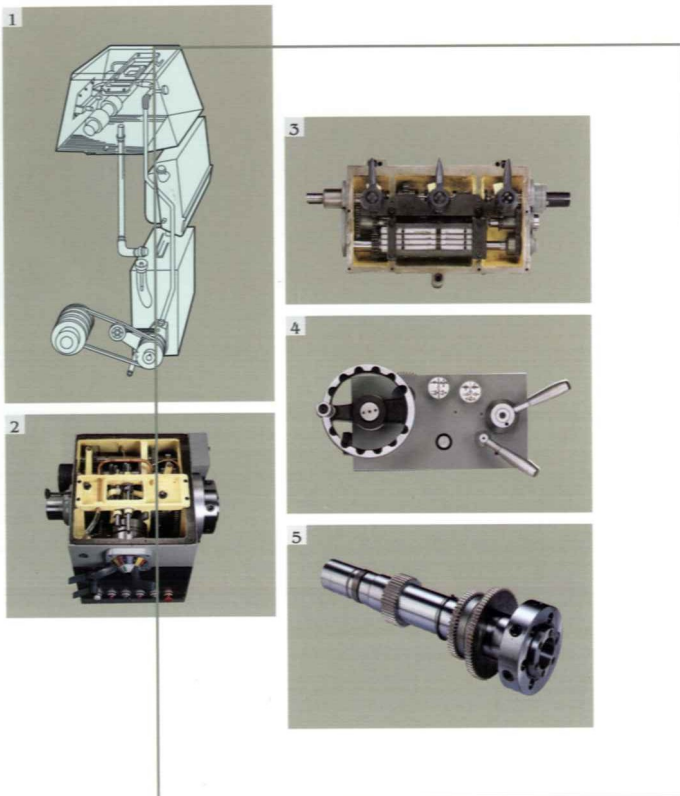


Photo shown model: BHL-1550V

- All models with mechanical clutch. (excluded E.V.S. model)
- All models with auto lubrication system to headstock & external tank for cooling the oil
- All models meet CE. (on request)
- All models with 56mm (2.2") spindle bore, ASA D1-6.

## 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.



- 111 LUBRICATION • Oil sight window for efficient check of oil level action. • Pressure lubrication system in headstock can ensure it's lubricated and cooling when high speed cutting. • Splash lubrication in feed gearbox & apron.
- 121 HEADSTOCK • Housing is vibration-absorbent, deflection-free.
  - Gears are hardened & MAAG or REISHAUER ground.
- 131 GEAR BOX • Universal type allowing a wide range of inch, metric, M.P., D.P. threads without change gears.

- 141 APRON • R/H or L/H wheel can be available on request.
  - Integrated automatic control for longitudinal & cross feeds, forward & reverse feeds.
- 151 HEAVY DUTY SPINDLE • Machined from forged alloy steel, hardened ground & dynamically balanced. • Three point support by high grade precision, machine tool taper roller & ball bearings.

### STANDARD ACCESSORIES:

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1 Backplate for 9" chuck</li> <li>2 Dead center MT.4</li> <li>3 Dead center MT.4 with carbide tip</li> <li>4 Spindle center sleeve MT.6</li> </ol> | <ol style="list-style-type: none"> <li>5 Level pads.....8 pcs</li> <li>6 Tool set &amp; Box</li> <li>7 Operation manual &amp; parts list</li> </ol> |
|---|---|

### OPTIONAL ACCESSORIES:

- |  |   |  |
|--|---|--|
| <ol style="list-style-type: none"> <li>1 3-Jaws scroll 9" chuck</li> <li>2 4-Jaws independent 10" chuck</li> <li>3 5C collet closer attachment</li> <li>4 5C collets (metric or inch)</li> <li>5 Driving plate with dog</li> <li>6 Chuck safety guard</li> <li>7 Hydraulic copying attachment</li> </ol> | <ol style="list-style-type: none"> <li>8 Tool post grinder attachment</li> <li>9 Taper turning attachment</li> <li>10 Electrical system for CE</li> <li>11 Protect cover on leadscrew for CE</li> <li>12 Steady rest w/ball bearing</li> <li>13 Follow rest w/bronze tip</li> <li>14 Faceplate 12"</li> </ol> | <ol style="list-style-type: none"> <li>15 Drill chuck &amp; arbor</li> <li>16 Rotating center MT.4</li> <li>17 Halogen lamp</li> <li>18 Quick change tool post</li> <li>19 Carriage micro stop set</li> <li>20 Digital read out system</li> <li>21 Full length splash guard</li> </ol> |
|--|---|--|

		BHL-1550	BHL-1550V
<b>MODEL</b>			
<b>Capacity</b>	Height of centers	190 mm (7.48")	
	Swing over bed	ø387 mm (15.23")	
	Swing in gap	ø610 mm (24")	
	Swing over cross slide	ø238 mm (9.37")	
	Distance between centers	1250 mm (50")	
	Width of bed	280 mm (11")	
	Gap width in front of faceplate	265mm (10.43")	
	Spindle nose, internal taper	D1-6, MT.No.6	
<b>Headstock and Main Spindle</b>	Spindle center sleeve	MT. No.6 x MT. No.4	
	Spindle bore	ø56 mm (2.2")	
	Gear steps	16 steps / 25~2000 R.P.M.	
	Spindle speed: / Range	Green 25 80 260 840	L 22~72 R.P.M.
		Yellow 33 108 350 1120	M 70~235 R.P.M.
		Red 45 140 470 1500	4 steps / MH 235~780 R.P.M.
		Blue 60 190 625 2000	H 753~2500 R.P.M.
		"MATRIX" Disc clutch for Forward / Reverse	Infinitely variable
<b>Carriage</b>	Length on bed / Width of carriage	484 mm (19.05") / 450 mm (17.71")	
	Cross slide travel	235 mm (9.25")	
	Top slide travel	120 mm (4.72")	
<b>Threads and Feeds</b>	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.	
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm	
	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")	
<b>Tailstock</b>	Cross feeds	0.02~0.5 mm (0.00075"~0.02")	
	Quill diameter	ø59 mm (2.322")	
	Quill travel	127 mm (5")	
	Taper of center	MT.No.4	
<b>Motor</b>	Main spindle	7.5HP	AC 5.5kW (7.5HP), Inverter
	Forced lubrication for HD.	-----	1/4HP
	Coolant pump		1/8HP
<b>Measurement</b>	Weight (Net /Gross) Approx.	1450 kgs / 1700 kgs	
	Packing sizes	Length	2580 mm (101.58")
		Width x Height	Width 1120 mm (44.1") x Height 1745 mm (68.7")

Specifications subject to change without notice.