



## HIGH SPEED PRECISION LATHES

### ERL Series



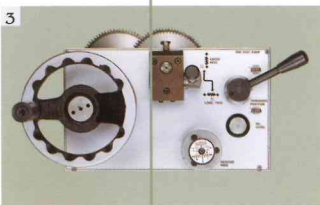
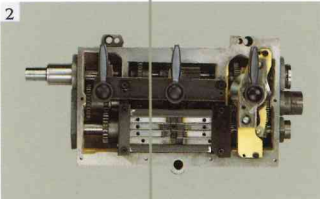
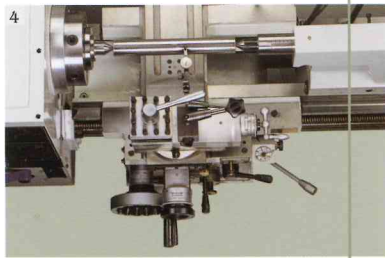
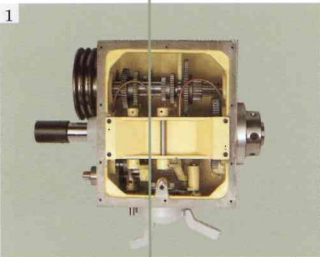
ERL-1330/1340

Photo shown model : ERL-1340  
w/protect cover on leadscrew



ERL-1330V/1340V

Photo shown model: ERL-1340V



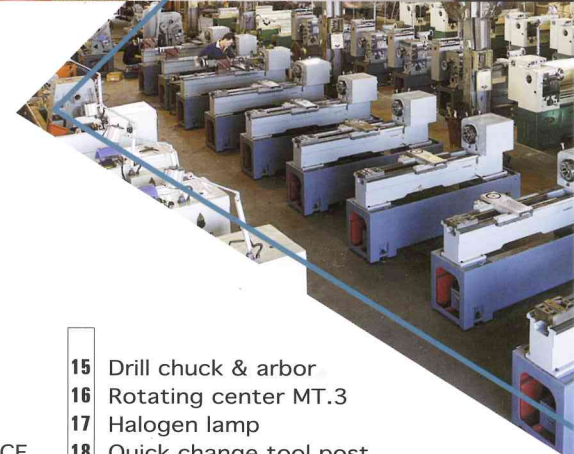
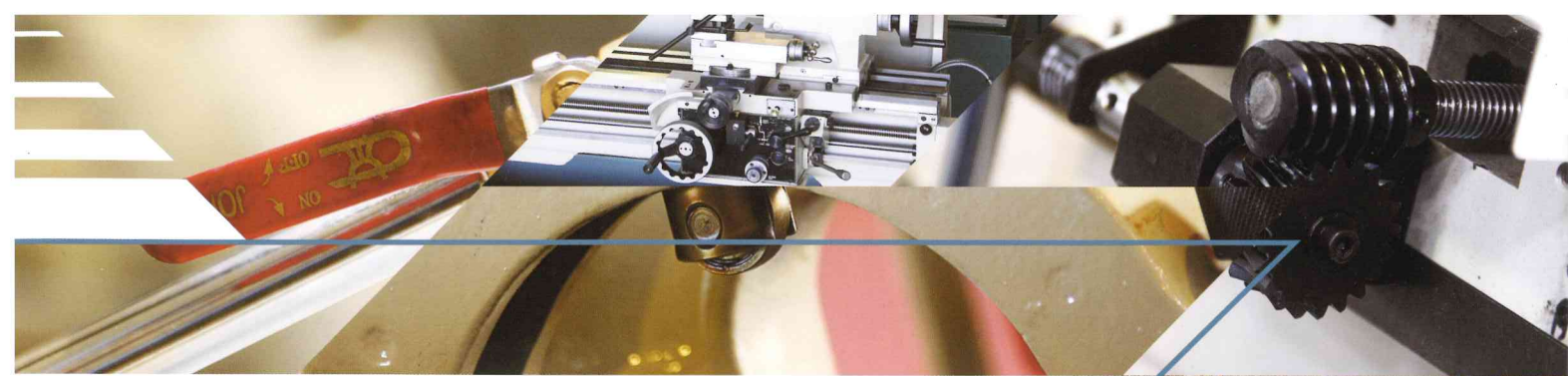
- All models with oil bathed lubrication system to headstock.
- All models meet CE. (on request)
- All models with 40mm (1.57") spindle bore, ASA D1-4.

### FEATURES

- All castings are properly stabilized and stress relieved.
- Bed ways are hardened & ground to min. HS-70.
- 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.
- 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 • Machined from forged alloy steel, hardened ground & dynamically balanced. • Two point support by high grade precision, machine tool taper roller.



**STANDARD ACCESSORIES:**

- 1 Backplate for 7" chuck
- 2 Dead center MT.3
- 3 Dead center MT.3 with carbide tip
- 4 Spindle center sleeve MT.5

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

**OPTIONAL ACCESSORIES:**

- 1 3-Jaws scroll 7" chuck
- 2 4-Jaws independent 8" 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.3
- 17 Halogen lamp
- 18 Quick change tool post
- 19 Carriage micro stop set
- 20 Digital read out system
- 21 Full length splash guard

**ERL-1330**

**ERL-1340**

**ERL-1330V**

**ERL-1340V**

**MODEL**

	ERL-1330	ERL-1340	ERL-1330V	ERL-1340V	
<b>Capacity</b>	Height of centers	171 mm (6.73")			
	Swing over bed	ø340 mm (13.38")			
	Swing in gap	ø512 mm (20") Not available for 1330			
	Swing over cross slide	ø210 mm (8.26")			
	Distance between centers	760 mm (30")	1000 mm (40")	760 mm (30")	1000 mm (40")
	Width of bed	230 mm (9")			
	Gap width in front of faceplate	150 mm (5")			
<b>Headstock and Main Spindle</b>	Spindle nose, internal taper	D1-4, MT. No.5			
	Spindle center sleeve	MT. No.5 x MT. No.3			
	Spindle bore	ø40 mm (1.57")			
	Gear steps	8 steps / 4P / 80~2000 R.P.M.			
	Spindle speed: / Range	OPT. 16 steps / 4P / 50~1305 R.P.M. / 2P / 4P / 100~2570 R.P.M.		2 steps / L / 100~500 R.P.M. / 4P / H 500~3000 R.P.M.	
<b>Carriage</b>	Length on bed / Width of carriage	400 mm (15.748") / 384 mm (15.118")			
	Cross slide travel	180 mm (7")			
	Top slide travel	100 mm (4")			
	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.			
<b>Threads and Feeds</b>	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	0.05~1.7 mm (0.002"~0.067")			
	Cross feeds	0.025~0.85 mm (0.001"~0.034")			
<b>Tailstock</b>	Quill diameter	ø50 mm (1.968")			
	Quill travel	112 mm (4.5")			
	Taper of center	MT.No.3			
<b>Motor</b>	Main spindle	3HP 4P OPT.5 HP 2P/2.5HP 4P		AC 2.2kW (3HP), Inverter	
	Coolant pump	1/8HP			
<b>Measurement</b>	Weight (Net /Gross) Approx.	850 / 1000 kgs	1000 / 1200 kgs	850 / 1000 kgs / 1000 / 1200 kgs	
	Packing sizes	Length	2000 mm (78.8")	2270 mm (89.4")	2000 mm (78.8") / 2270 mm (89.4")
		Width x Height	Width 965 mm (38") x Height 1745 mm (68.7")		

Specifications subject to change without notice.