



SUN MASTER

HIGH SPEED PRECISION LATHES

ERL Series

ERL-1330/1340

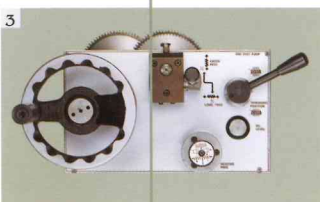
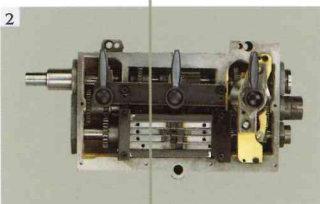
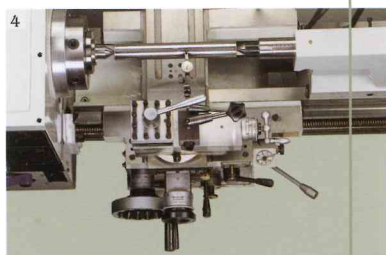
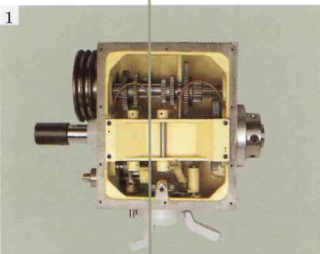


Photo shown model : ERL-1340
w/protect cover on leadscrew

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.

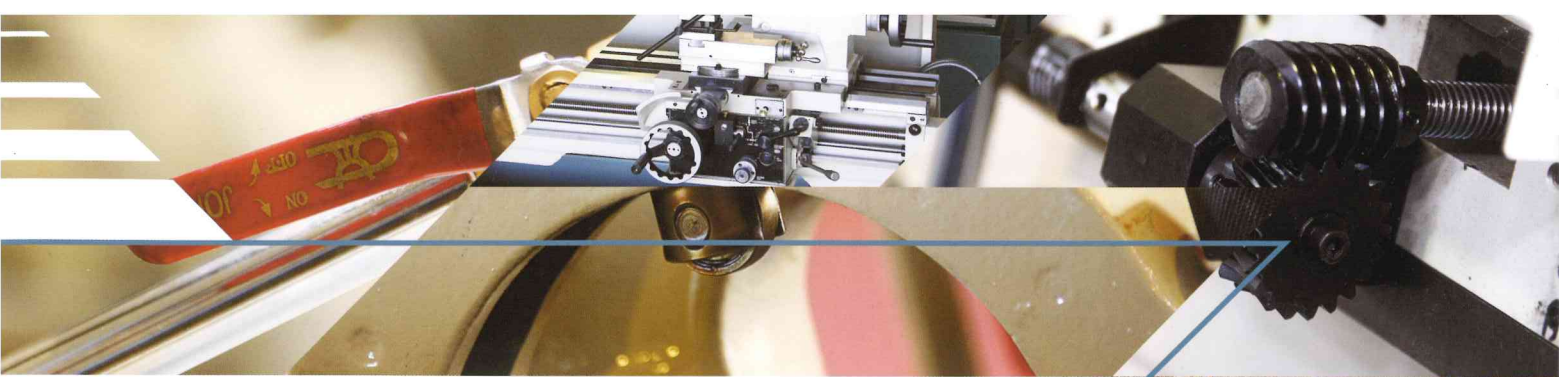
12| GEAR BOX • Universal type allowing a wide range of inch, metric, M.P., D.P. threads without change gears.

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.

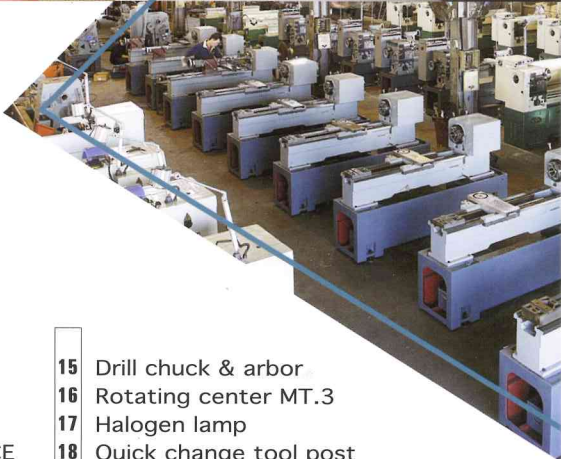
SAFETY FEATURES • Nylon safety gears in end train.
• Shear pin in leadscrew.

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:

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

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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" | <ul style="list-style-type: none"> 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									
Capacity	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")						
Headstock and Main Spindle	Gap width in front of faceplate		150 mm (5")						
	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.						
Carriage	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")						
	Threads and Feeds	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		0.05~1.7 mm (0.002"~0.067")							
Cross feeds		0.025~0.85 mm (0.001"~0.034")							
Tailstock	Quill diameter		ø50 mm (1.968")						
	Quill travel		112 mm (4.5")						
	Taper of center		MT.No.3						
Motor	Main spindle		3HP 4P OPT.5 HP 2P/2.5HP 4P				AC 2.2kW (3HP), Inverter		
	Coolant pump						1/8HP		
Measurement	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.									