

HIGH SPEED PRECISION LATHES

RML Series



**RML-1440/1460
-1640/1660**

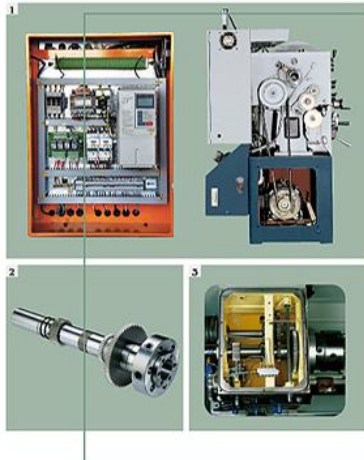


**RML-1440V/1460V
-1640V/1660V**



Photo shown model : RML-1640V
w/protect cover on leadscrew

Photo shown model: RML-1440



- 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 & reversible apron.
- All models meet CE. (on request)
- All models with 52.5mm (2.066") 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.

- 11] E.V.S. MODEL ELECTRIC CONTROL • CE electric on request.
• The electric cabinet is sealed protected against entrance of water, dirt and other contaminants. • A main disconnect switch provided. • Electric 1/4HP pump for headstock pressure lubrication.
• Prolong life expectancy of gears and spindle. • Combination of forced lubrication and oil bath system in headstock.
- 12] HEAVY DUTY SPINDLE • Machined from forged alloy steel, hardened ground & dynamically balanced. • Supported by three points precision bearings (2 taper roller & 1 ball bearing).

- 13] E.V.S. HEADSTOCK • Forced lubrication to all running points.
• Hardened & ground gears and shafts. • R.P.M. LED display indicator makes it easy to obtain the optional constant surface speed also improves cutting tool life. • Electronic control panel located on top head stock, with RPM display unit, speed control electric knob, emergency stop and motor start push button.
• Electronic infinitely variable speed with A.C. motor inverter.
• Two headstock gear speed ranges supply a high torque in low range from 20 up to 400 RPM and in high range from 400 up to 2500 R.P.M.



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 10" chuck
- 3 SC collet closer attachment
- 4 SC 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

RML-1440 RML-1460 RML-1640 RML-1660

MODEL		RML-1440 RML-1460	RML-1640 RML-1660	RML-1440V RML-1460V	RML-1640V RML-1660V
Capacity	Height of centers	180 mm (7.08")	205 mm (8.07")	180 mm (7.08")	205 mm (8.07")
	Swing over bed	ø360 mm (14.17")	ø410 mm (16.14")	ø360 mm (14.17")	ø410 mm (16.14")
	Swing in gap	ø533 mm (20.98")	ø583 mm (22.95")	ø533 mm (20.98")	ø583 mm (22.95")
	Swing over cross slide	ø214 mm (8.42")	ø264 mm (10.39")	ø214 mm (8.42")	ø264 mm (10.39")
Headstock and Main Spindle	Distance between centers	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")
	Width of bed	260 mm (10.236")			
Carriage	Gap width in front of faceplate	135 mm (5.31") 225 mm (8.85")	135 mm (5.31") 225 mm (8.85")	135 mm (5.31") 225 mm (8.85")	135 mm (5.31") 225 mm (8.85")
	Spindle nose, internal taper	D1-6, MT. No.6			
	Spindle center sleeve	MT. No.6 x MT. No.4			
Threads and Feeds	Spindle bore	ø52.5 mm (2.066")			
	Gear steps	8 steps / 4P / 70-1800 R.P.M.			
Tailstock	Spindle speed: Range	OPT. 16 steps / 4P - 8P - 40-1000 R.P.M. / 4P - 8P - 80-2000 R.P.M.		2 steps / L - 20-400 R.P.M. / 4P H 400-2500 R.P.M. / 25-3000 R.P.M. (OPT.)	
	Length on bed / Width of carriage	513 mm (20.19") / 412 mm (16.22")			
Motor	Cross slide travel	220 mm (8.6")			
	Top slide travel	130 mm (5.1")			
Measurement	Whitworth threads: Kinds / Range	45 Kinds / 2-72 T.P.I.			
	Metric threads: Kinds / Range	39 Kinds / 0.2-14 mm			
Motor	D.P. threads: Kinds / Range	21 Kinds / 8-44 D.P.			
	M.P. threads: Kinds / Range	18 Kinds / 0.3-3.5 M.P.			
Motor	Longitudinal feeds	0.05-1.7 mm (0.002"-0.067")			
	Cross feeds	0.025-0.85 mm (0.001"-0.034")			
Motor	Quill diameter	ø52 mm (2.047")			
	Quill travel	152 mm (6")			
Motor	Taper of center	MT. No.4			
	Main spindle	SHP4P		OPT.5HP 4P / 2.5HP 8P	
Motor	Forced lubrication for HD.	AC 3.7kW (5HP), Inverter			
	Coolant pump	1/4HP			
Motor	Weight (Net/Gross) Approx.	1350 kgs / 1500kgs	1450 kgs / 1550kgs	1400 kgs / 1550kgs	1500 kgs / 1650kgs
	Packing sizes	Length: 2270 mm (89.4")	Width x Height: 2785 mm (109.7")	Length: 2270 mm (89.4")	Width x Height: 2785 mm (109.7")

Specifications subject to change without notice.