

SPECIFICATIONS		TRL-1340 (V)	RML-1440 (V)	RML-1640 (V)	ML-1740	ML-2060
CAPACITY	Swing over Bedways	13.4" (340)	14.2" (360)	16.2" (411)	17" (432)	20" (508)
	Swing Over Cross Slide	8.25" (210)	8.42" (214)	10.39" (264)	11" (279)	14" (356)
	Swing Over Gap	20" (508)	21" (533)	23" (584)	24.5" (622)	27.5" (698)
	Gap Length (w/Face Plate)	4.5" (114)			8" (203)	
	Distance Between Centers	40" (1000)			44" (1118)	57" (1448)
HEADSTOCK	Spindle Through Hole	1.57" (40)	2.06" (52)		3.13" (80)	
	Spindle Nose Camlock	D 1-4	D 1-6			
	Spindle to Sleeve Taper	MT #5	MT #6 to #4		MT #7 to #4	
	Spindle Speeds	50-2570 RPM	12 Steps, 36-1800 RPM			
	Spindle Speeds V-Models	Variable (2 Ranges) 100-500-3000 RPM	Variable (2 Ranges) 20-400-2500 RPM		N/A	
CARRIAGE	Bed Width	9" (230)	10.25" (260)		12" (305)	
	Cross Slide	16.5" x 6" (w/2 T-Slots)	19" x 6" (w/2 T-Slots)		24" x 7.25"	
	Cross Slide Travel	7" (180)	9.25" (235)		12" (305)	
	Compound Travel	4" (105)	5" (127)		5.75" (146)	
FEED BOX	Thread Capacity (inch)	(45) 2 to 72 TPI				
	Thread Capacity (metric)	(39) 0.2 to 14 MM				
	Modular Thread Range	(18) 0.3 to 3.5				
	Diametrical Pitch Range	(21) 8 to 44				
	Longitudinal Feeds	0.002" to 0.067"	(17) 0.002 to 0.067 In/Rev		(15) 0.0015 to 0.04 In/Rev	
TAILSTOCK	Cross Feeds	0.001" to 0.0375"	(17) 0.001 to 0.034 In/Rev		(15) 0.00075 to 0.02 In/Rev	
	Quill Diameter	2" (50)	2" (51)		2.3" (58)	
	Quill Taper	MT #3	MT #4			
	Quill Travel	4" (105)	6.5" (165)		5.5" (140)	
ELECTRIC	Spindle (main) Motor	5 HP			7.5 HP	
	Coolant Pump Motor	0.125 HP				
	Control Circuit Voltage	24 V				
SIZE & WEIGHT	Shipping Dimensions	76" x 30" x 58"	87" x 42" x 66"		88" x 42" x 66"	108" x 42" 66"
	Net Weight (approx)	2200 lbs	3200 lbs	3520 lbs	3850 lbs	4510 lbs
	Gross Weight (approx)	2440 lbs	3630 lbs	4000 lbs	4510 lbs	5400 lbs

Note: We reserve the right to modify the design, specification, mechanism, etc. to improve the performance of the machine without notice.

#### Standard Accessories

- 4-position tool post
- thread chasing dial
- coolant system
- full length splash guard
- back plate
- chuck cover
- work light
- carriage stop
- leveling pads
- toolbox with standard tools

#### Optional Accessories

- 3-jaw chuck
- 4-jaw chuck
- steady rest
- follow rest
- face plate
- micro carriage stop
- quick change tool post
- digital readout system
- taper turning attachment
- 5c collet closer attachment

TECHNOLOGY

CREATIVITY

RELIABILITY

TURN YOUR WAY TO SUCCESS

Precision Engine Lathe

**KENT  
USA**

SINCE 1979

TRL-1340 (V)

RML-1440 (V)

RML-1640 (V)

ML-1740

ML-2060

**KENT  
USA**

Kent Industrial USA Inc.

www.kentusa.com





# Precision Lathe Series

Manufactured to exact tolerance:

**PARALLELISM:**

Headstock Alignment  
0.0006"/12" (V)  
0.0006"/12" (H)

Longitudinal Bedways  
0.0006"/40"

Center Line of Spindle with Carriage Motion  
0.0004"/12"

Center Line of Tailstock with Carriage Motion  
0.0006"/12"

**SQUARENESS:**

Center Line of Spindle with Cross Slide Motion  
0.0006"/12"

**RUNOUT:**

Spindle Nose  
0.0002"

Spindle Flange  
0.0004"

*"A reliable workhorse, it's the most productive machine in our shop."*

*"Holds tight tolerance, we are making better parts than ever."*

*"Cuts both inch and metric threads by adjusting only the levers, no more change gears."*

*"The quick-change inch/metric cover on the cross slide dial is really convenient and makes correct readings easy on my eyes."*

*"Friendly and knowledgeable tech-support always there when I need them."*

*"A terrific value - we have ten of them already and are buying three more for our other location."*



**ML-2060**  
Large 3.125" spindle bore handles all types of work for the job shop

**OUTSTANDING FEATURES INCLUDE:**

- ... Front pull-out chip tray for easy maintenance.
- ... Universal inch/metric gearbox allows for extra wide range of threading capability without the need of change gears.
- ... Dynamically balanced alloy steel spindle with three point support.
- ... Induction hardened & precision ground gears.
- ... Quick feed reversal knob allows instant feed reversal without stopping the main motor.
- ... Safety clutch disengages feed when overloaded.
- ... Jog button for effortless spindle speed changes.
- ... One-shot pump conveniently lubricates bed and cross slide ways.
- ... Safety full-length foot brake.
- ... AC-frequency drive with infinitely variable speed control and digital RPM display. (V-models)
- ... T-slots on cross slide for mounting optional attachments. (TRL and RML-series)
- ... Large 3.125" spindle through bore and a 2-speed tail stock.(ML-series)

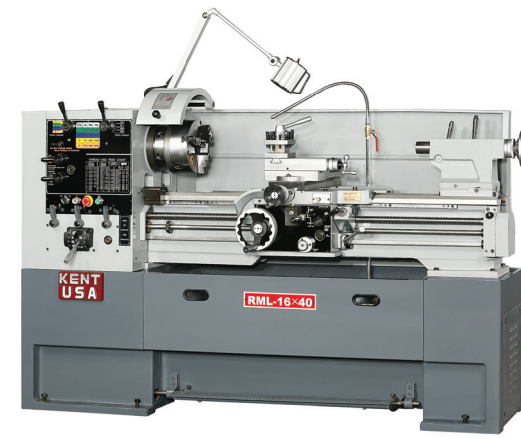
**Also available in other models...**



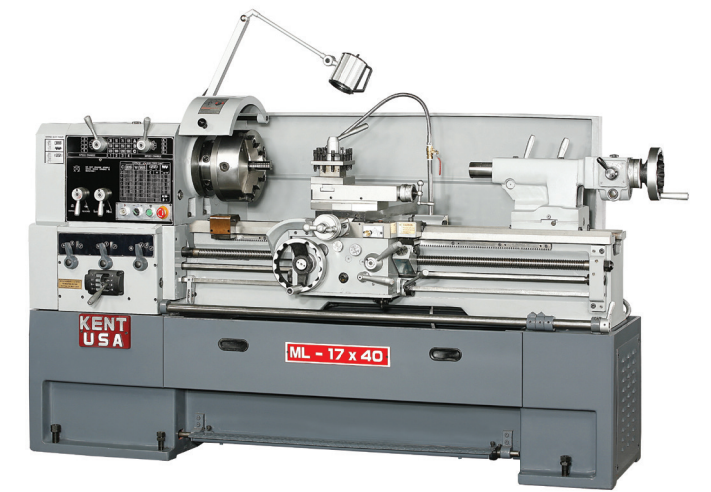
**TRL-1340**  
Aerospace quality at a school budget price



**RML-1440V**  
Electronic Variable Speed drive with maximum 2500 rpm spindle



**RML-1640**  
Our best value general-purpose lathe for the tool room



**ML-1740**  
A versatile all-purpose lathe with features to satisfy the most demanding jobs