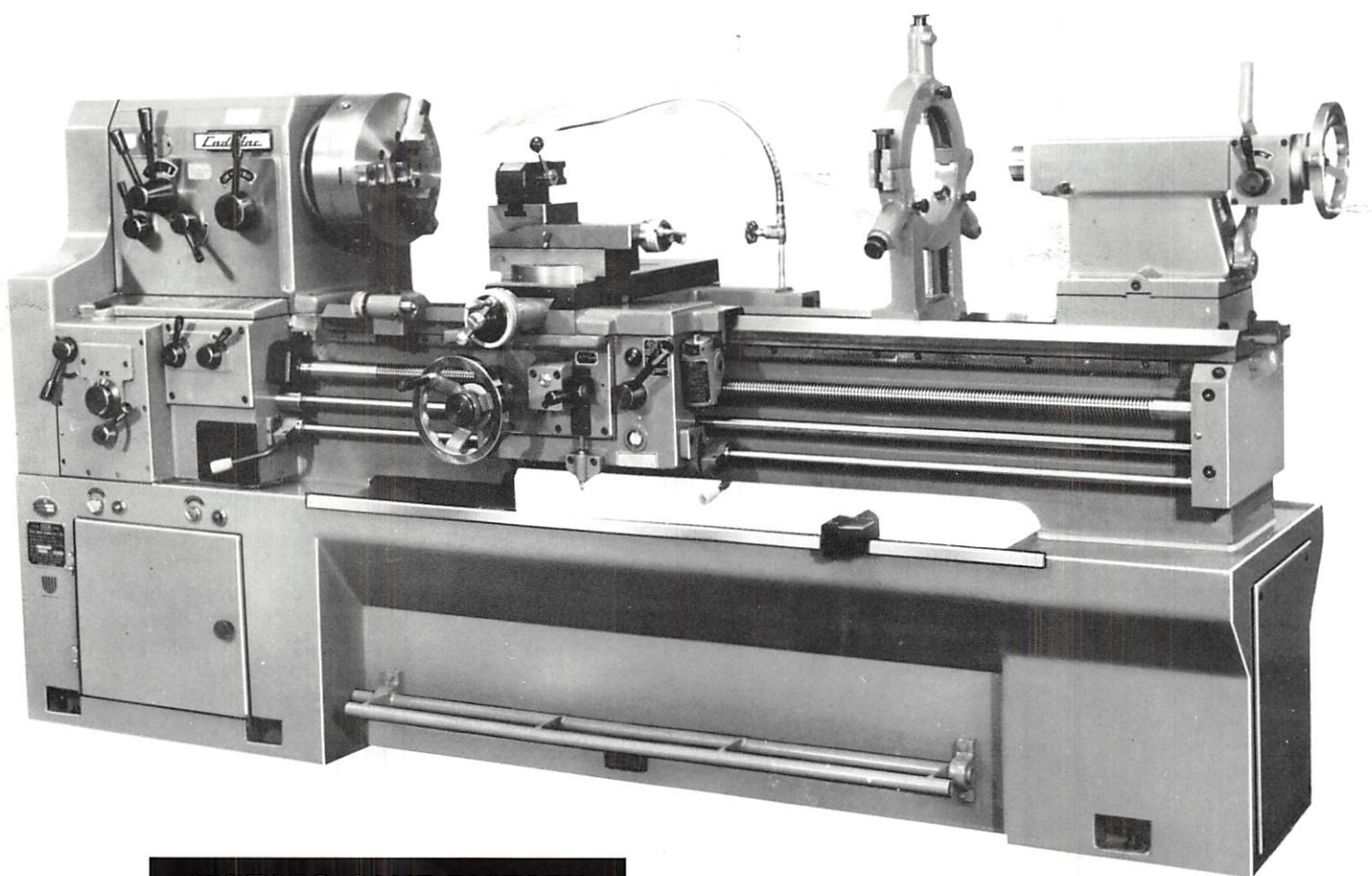


22

High Speed Precision Engine Lathe

WORLD'S FINEST MACHINE TOOL BUILDER



35 YEARS, SAME FACTORY

22"x40"cc W/GAP 31"

22"x60"cc W/GAP 31"

22"x100"cc W/GAP 31"

SMOOTH, QUIET, POWERFUL . . . WITH A HOST OF OUTSTANDING FEATURES

SPECIFICATIONS

inch(mm)

Swing	Swing over bed	22"
	Swing over bed from face plate	
	Up to < 7" in short taper nose	25"
	Up to < 6" in cam lock nose	
	Swing over cross slide	15"
	Swing over gap	31"
Distance	Distance between centers	40"—60"—100" cc
Spindle	Spindle nose	ASA A1.6/D1-6
	Spindle bore	2 $\frac{1}{2}$ "
	Taper of spindle bore	M.T. No. 6
	Taper of center	M.T. No. 4
	Number of spindle speeds	12
	Range of spindle speeds (R.P.M.)	25, 51, 68, 93, 133, 166, 237, 330, 425, 590, 840, 1500
Feeds	No. of feed changes (Long & Cross)	32
	Range of longitudinal feeds	0.0018—0.025"
	Range of cross feeds	0.0018—0.025"
Threads	Lead screw	1.5" dia. x Acme thread 4 T.P.I.
	Inch threads	80—4 T.P.I.
	Metric threads	21—0.25—7mm
	D.P. threads	112—8
	Module threads	0.5—3.5
Tool slide	Cross slide travel	10"
	Compound rest travel	5.7"
	Maximum size cutting tool (X x Y)	1"x1 $\frac{1}{16}$ "
Tail stock	Spindle travel	6"
	Taper of center	M.T. No. 4
Bed	Width of the bed face	13.7"
	Width of gap (from face plate)	9 $\frac{1}{8}$ "
Motor	Main spindle motor	10HP
	Coolant pump motor	$\frac{1}{10}$ HP
Net weight		40"cc 5400 lbs. 60"cc 5800 lbs. 100"cc 6200 lbs

FEATURES

- Number (12 steps) and range of speeds of this lathe is so created that the most suitable cutting speed may be given to any size of workpiece diameter within the possible range of cutting size, namely, within the range of swing over bed.
- The main spindle is supported at three points by precision bearings and its hole is generously sized.
- Automatic forced lubrication system supplies lubricant to every sliding way and driving mechanism inside the headstock.
- By lubricating device installed inside apron, automatic lubrication is provided between carriage slide ways and bedways.
- The feed mechanism permits positive shift from the normal feeds to the reverse, and vice-versa, by simple operation of the lever on the front face of headstock housing or also the one at the apron.
- An adjustable carriage feed stop dog is provided.
- The machine is equipped with an overload safety device for feeding and thread cutting.
- Hydraulic copying attachment, taper-cutting attachment and inverse tool post are easily attached by means of carriage grooves of both sides.
- Cross feed screws are always soaked in oil tank for maintaining smooth travel under maximum accuracy.
- Bed is so designed to prevent torsion, side-wall is double wall and rib type.
- Hardened and ground bedways are made of high tensile cast iron.
- Lower portions of bed casting are box-shaped and are full length, forming the legs, chip pan and coolant reservoir.
- The safety foot brake provides safe quick braking of the spindle without generation of heat in the headstock.
- Diameter of tail stock shaft is 75mm and the overall length is hardened and ground.

STANDARD TOOLING

- Faceplate, drive plate, steady rest, coolant system complete, centers and sleeve. Change gears, 2 speed tailstock, comb. inch/metric dials.

EXCLUSIVE IMPORTER

Providing High Quality Machines for over 40 years!



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