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# High Speed "Inverter Drive" Engine Lathe

## HEADSTOCK

All gears are made with chromium molydenum steel, and are hardened & ground to its accuracy. A forced lubrication system lubricates all running gears and bearings within the headstock.

## SPINDLE

1-1/2" bored spindle is made from medium carbon steel, and is induction hardened & ground to its final accuracy. It also has a two-point support with both bearings being taper roller.

Half-nut engagement handle

9" wide bed way with FC-30 casting iron

Oil level indicator

Hexagonal bed web

Infinite variable speeds

Safety overload device

Oil level indicator



## E-lathe 1440V

24 volts safety control circuit  
W / Allen Bradley switches

Standard foot brake

Oil lubricated leadscrew

## GEAR BOX

Unique two lever universal gear box offers a wide range of cutting capacity. All ranges can be reached by moving two levers and two dials.

Forward/stop/reverse lever

Two-tone automotive paint

Weigh in at 1,580 lbs

## APRON

Automatic feeding and threading in apron are fully interlocked to prevent simultaneous engagement of both functions.

## TAILSTOCK

Keyed 1-7/16" diametered quill is hardened to Rockwell C 55 degree & ground to its inspection accuracy.

# E-lathe 1440V

## SPECIFICATION

ITEM	MODEL	E-lathe 1440V			
General Capacity	Center height	7"	Bed	Bed length	54"
	Swing over bed	14"		Bed width	9"
	Swing over gap (Gap type only)	20-3/4"		Width of gap	8"
	Swing over cross slide	8-5/8"		System	Inch
	Distance between centers	40"		Pitch of leadscrew	24 Ø, 4 TPI
Main Spindle	Spindle nose	D 1-4	Threading & Feeding	Metric pitch threads	0.4~7 mm/pitch (32 kinds)
	Spindle bore diameter	1-1/2"		Inch pitch threads	4~56 TPI (32 kinds)
	Type of center	MT 5		Module pitch threads	-
	Taper of center	MT 3		Diametral pitch threads	-
	Spindle speeds (infinite)	36 ~ 2,200 RPM		Range of longitudinal feeds	0.0026"~0.0368"/rev.
Carriage	Cross slide travel	8"	Power	Range of cross feeds	0.0008"~0.0122"/rev.
	Compound rest ravel	3-1/2"		Main drive motor (US made)	3 HP
	Max. size cutting tool	3/4" x 3/4"		Rapid traverse motor	-
Tailstock	Spindle diameter	1-7/16"	Coolant pump motor	1/8 HP	
	Spindle travel	4"	Floor Dimension	70" x 32"	
	Taper of center	MT 3	Net Weight	1,580 lbs	
Packing Dimension	77" x 33" x 63"	Gross Weight	1,800 lbs		

Note: The manufacture reserves the right to modify the design, specification, mechanisms, etc. to improve the performances of machine without notice.  
All the specifications shown above are for reference only.

## Optional Accessories

Taper Turning Attachment	Drive Plate	Milling Attachment
5C Collet Closer	5C Collets	Three Jaw Universal Chuck
Four Position Carriage Stop	Quick Change Tool Post	Four Jaw Independent Chuck

## Standard Accessories

Gap Bed	Full Length Splash Guard	One Face Plate
Built in Coolant	Four Way Tool Post	Touch-up Paint
Tool Box W/Tools	Steady Rest	Micrometer Stop
Operational Manual	Halogen Light	Follow Rest

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