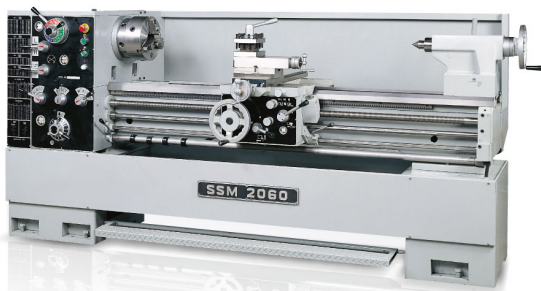


PRECISION ENGINE LATHE

(Spindle bore 86mm. 3-3/8inch)

Model: 1740, 1760, 1780, 2040, 2060, 2080

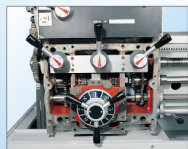


FEATURES

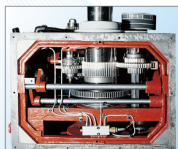
- Heavy duty geared head; hardened and ground gears.
- 86mm (3-3/8inch) hole through spindles.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- 12 steps spindle speeds 20-1800 R.P.M. shift in geometric progression.
- Quick-change universal gearbox for inch, metric, DP, MP, threading.
- Forced spray lubrication system used for headstock.
- One shot lubrication pump supply oil to cross slide and bed-ways.
- Adjustable overload clutch in apron to ensure proper cutting load.
- Cross slide screw permanently immersed in oil and supported by thrust bearing.
- Induction hardened and precision ground bed-way.
- One piece base for maximum rigidity.

Variable-speed change

With inverter : 3 steps speed
 High : 2000 - 240 R.P.M.
 Middle : 380 - 54 R.P.M.
 Low : 84 - 10 R.P.M.



▲ Universal gearbox



▲ Headstock



▲ Electrical box & inverter

VARIABLE-SPEED LATHE

Model: 1740V, 1760V, 1780V, 2040V, 2060V, 2080V



BRIEF SPECIFICATION FOR PRECISION ENGINE LATHE 17" & 20"

MODEL	1740 1740V	1760 1760V	1780 1780V	2040 2040V	2060 2060V	2080 2080V
NOMINAL SIZE	Swing over bed		440 mm (17-5/16")		510 mm (20")	
	Swing over cross slide		272 mm (10-3/4")		342 mm (13-1/2")	
	Height of center		220 mm (8-5/8")		255 mm (10")	
BED	Distance between centers		1000 mm (40") 1500 mm (60")		2000 mm (80") 1500 mm (60") 2000 mm (80")	
	Width of bedways		330 mm (13")			
	Total length of bed		2000 mm (78") 2510 mm (98") 3020 mm (118")		2000 mm (78") 2510 mm (98") 3020 mm (118")	
	Swing over gap		660 mm (26")		730 mm (28-3/4")	
	Length of gap		300 mm (11-3/4")		300 mm (11-3/4")	
SPINDLE	Width in front of face plate		190 mm (7-1/2")		175 mm (6-3/4")	
	Spindle nose mounting		D1-8 CAMLOCK			
	Spindle bore		86 mm (3-3/8")			
TOOL SLIDE	Taper of spindle bore		M.T.#5			
	Number of spindle speeds		12 steps (Variable speed change 3 steps)			
	Range of spindle speeds		20 - 1800 R.P.M. (Variable speed change 10 - 2000 R.P.M.)			
TAIL STOCK	Total travel of cross slide		260 mm (10-1/4")			
	Total travel of top slide		130 mm (5-1/8")			
	Max. size cutting tool		25 mm (1")			
THREADS	Total travel of tailstock barrel		150 mm (6")			
	Taper in tailstock barrel		M.T.#5			
	Diameter of barrel		65 mm (2-9/16")			
FEEDS	Lead screw diameter & pitch		Dia. 35 mm (1-3/8") Pitch 6 mm 4 T.P.I.			
	Inch threads		2 - 72 T.P.I. (48)			
	Metric pitches		0.2 - 14 mm (48)			
	Diametral pitches		8 - 60 D.P. (24)			
MOTOR	Module pitches		0.2 - 3.5 M.P. (24)			
	Feed rod diameter		25 mm (1")			
	Range of longitudinal feeds		0.06 - 2.00 mm/rev. / 0.0025 - 0.07 in/rev. (36)			
WEIGHT	Range of cross feeds		0.03 - 0.80 mm/rev. / 0.0010 - 0.03 in/rev. (36)			
	Main spindle motor		10 HP 7.5 kw			
	Coolant pump motor		1/8 HP 0.1 kw			
PACKING SIZE	Machine net weight		1900 kgs 2000 kgs 2200 kgs 2000 kgs 2100 kgs 2300 kgs			
	Crate size (L x W x H)		92" x 46" x 65" 116" x 46" x 65" 136" x 46" x 65" 92" x 46" x 67" 116" x 46" x 67" 136" x 46" x 67"			
	V Type size (L x W x H)		92" x 50" x 65" 116" x 50" x 65" 136" x 50" x 65" 92" x 50" x 67" 116" x 50" x 67" 136" x 50" x 67"			

We reserve the right to modify and improve our products.