

PRECISION ENGINE LATHE

(Spindle bore 58mm. 2-1/4inch)

Model: 1540A, 1560A, 1740A, 1760A

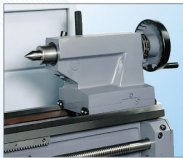


FEATURES

- Heavy duty geared head; hardened and ground gears.
- 58mm (2-1/4inch) hole through spindle.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- 12 steps spindle speeds 20-2000R.P.M. shift in geometric progression.
- Forced spray lubrication system used for headstock.
- Quick-change universal gearbox for inch, metric, DP, MP, threading.
- 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.
- Magnetic electric brake for spindle stop.



▲ Headstock & Gearbox



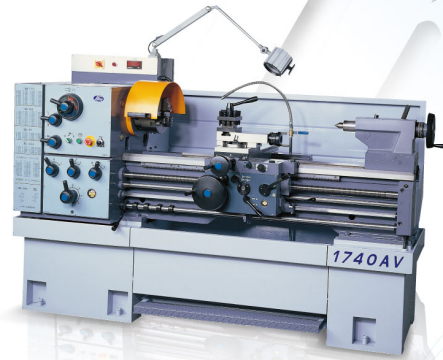
▲ Heavy duty Tail stock



▲ Carriage & Apron

VARIABLE-SPEED LATHE

Model: 1540AV, 1560AV, 1740AV, 1760AV



Variable-speed change
With inverter; 3 steps speed
High : 2000 - 272 R.P.M.
Middle : 380 - 52 R.P.M.
Low : 74 - 10 R.P.M.



▲ End gear train & Sensor

BRIEF SPECIFICATION FOR 1540A/AV, 1560A/AV, 1740A/AV, 1760A/AV

MODEL	1540A / 1540AV	1560A / 1560AV	1740A / 1740AV	1760A / 1760AV
NOMINAL SIZE	Swing over bed	380 mm (15")		434 mm (17")
	Swing over cross slide	225 mm (8-7/8")		277 mm (10-7/8")
	Height of center	191 mm (7-1/2")		217 mm (8-1/2")
BED	Distance between centers	1000 mm (40")	1500 mm (60")	1000 mm (40") 1500 mm (60")
	Width of bedways	300 mm (12")		300 mm (12")
	Swing over gap	580 mm (23")		630 mm (25")
SPINDLE	Length of gap	250 mm (10")		250 mm (10")
	Spindle nose mounting		D1-6" CAMLOCK	
	Spindle bore		58 mm (2-1/4")	
CARRIAGE	Taper of spindle bore		M.T. No.#6	
	Number of spindle speeds		12 steps	Variable speed change : 3 steps
	Range of spindle speeds	20 - 2000 R.P.M.	Variable speed change : 10 - 2000 R.P.M. (with Magnetic brake)	
TAIL STOCK	Total travel of cross slide		235 mm (9-1/4")	
	Total travel of top slide		130 mm (5-1/4")	
	Max. size cutting tool		20 x 20 mm (25/32")	
THREADS	Total travel of tailstock barrel		125 mm (5")	
	Taper in tailstock barrel		M.T. No. #4	
	Diameter of barrel		Dia. 58 mm (Dia. 2-1/4")	
FEEDS	Lead screw diameter & pitch		Dia. 32 mm Pitch 6 mm / Dia. 1-1/4" 4 T.P.I.	
	Inch threads		2 - 72 T.P.I. (48 Nos)	
	Metric pitches		0.2 - 14 mm (48 Nos)	
MOTOR	Diametral pitches		8 - 60 D.P. (24 Nos)	
	Module pitches		0.2 - 3.5 MOD. (24 Nos)	
	Range of longitudinal feeds		0.04 - 1.00 mm/rev / 0.0015 - 0.04 in/rev (36)	
WEIGHT	Range of cross feeds		0.02 - 0.50 mm/rev / 0.0075 - 0.02 in/rev (36)	
	Main spindle motor		7.5 HP 5.7 kw	
	Coolant pump motor		1/8 HP 0.1 kw	
PACKING SIZE	Machine net weight	1400 kgs	1600 kgs	1500 kgs 1700 kgs
	Crate size (L x W x H)	92" x 46" x 63"	114" x 46" x 63"	92" x 46" x 66" 114" x 46" x 66"

We reserve the right to modify and improve our products.