



LATHE MACHINE



AN ISO 9001 : 2000 CERTIFIED COMPANY



Model : PL - 760 / 910 / 1060

www.premierlathe.co.in

Technical Specification



LATHE MACHINE

Special Features :

- 1) Flame Hardened Bed Ways.
- 2) Bed is Made From High Quality Cast Iron And Strictly Inspected with Micro Level & Straight Edge.
- 3) Single Piece Plano Type Solid Bed.
- 4) Turcite - B Coated In Saddle & Cross Slide Guideways.
- 5) Heavy Duty Headstock, In Which Spindle Runs On One Taper Roller Bearing And One Cylindrical Roller Bearing In Front & One Taper Roller Bearing At Rear Side.
- 6) Headstock Spindle Is Made From High Tensile Steel Duty Hardened & Ground.
- 7) Double Shaft Norton Gear Box & Apron, Which is Totally Enclosed Oil Bath System with Lever Type Arrangement for Automatic Feeds.
- 8) Sliding Type Counter Assembly For Easy Changing of V-Belt From One Step To Another Step.
- 9) Tail Stock Spindle Is Hardened & Ground, Made From Alloy Steel.
- 10) Meticulous Care is Taken in Selecting The Right Raw Material For Every Component. Each & Every Component is Passed Through Strict Quality Control.
- 11) Machine Accuracy Is Tested As Per Is : 1875 (part - I) 1971.

Standard Accessories :

Chuck Back Plate, Tool Post Spanner, Motor Pulley, Motor Channel, Change Gear Set, Fix Spanner Set, Allen Key Set & Old Cone.

Optional Accessories :

Face Plate, Steady Rest, Follow Rest, Carrier Plate, Rear Tool Post With Extended Cross Slide, Coolant Pump With Tank and Fittings, Taper Turning Attachment, Machine Lamp, Electric Motor, R/F Switch, Motor V-Belt, Dog Chuck, True Chuck, Customized Center Height of Machine.

Model	PL - 760	PL - 910	PL - 1060
Capacity			
Center Height	28" - 710 mm	34" - 860 mm	40" - 1010 mm
Swing over bed	54" - 1370 mm	66" - 1675 mm	78" - 1980 mm
Swing over cross slide	42" - 1050 mm	54" - 1350 mm	64" - 1625 mm
Swing in gap	76" - 1930 mm	88" - 2235 mm	100" - 2540 mm
Bed			
Bed Type	2V & 2Flat (Plano Type)	2V & 2Flat (Plano Type)	2V & 3Flat (Plano Type)
Bed width	30" - 760 mm	36" - 910 mm	42" - 1060 mm
Length of gape in Front of face plate	12" - 300 mm	12" - 300 mm	12" - 300 mm
Total length of bed	Admit between center	Admit between center	Admit between center
14' feet / 14' feet / 15' feet	2000 mm	2000 mm	2000 mm
18' feet / 18' feet / 18' feet	3000 mm	3000 mm	3000 mm
21' feet / 21' feet / 21' feet	4000 mm	4000 mm	4000 mm
24' feet / 24' feet / 25' feet	5000 mm	5000 mm	5000 mm
27' feet / 27' feet / 28' feet	6000 mm	6000 mm	6000 mm
31' feet / 31' feet / 31' feet	7000 mm	7000 mm	7000 mm
Head Stock			
Number of spindle speed	6	6	6
Range of spindle speed	10 - 150 RPM	10 - 150 RPM	10 - 150 RPM
Spindle nose dia.	6.1/4" - 160 mm	6.1/4" - 160 mm	6.1/4" - 160 mm
Spindle bore	4.3/4" - 120 mm	4.3/4" - 120 mm	4.3/4" - 120 mm
Spindle threads	6 TPI	6 TPI	6 TPI
Taper in spindle sleeve	MT - 6	MT - 6	MT - 6
Carriage & compound			
Cross slide dimension	16" - 400 x 28" - 710 mm	16" - 400 x 30" - 760 mm	18" - 455 x 36" - 910 mm
Cross slide travel	28" - 710 mm	34" - 860 mm	40" - 1010 mm
Compound slide dimension	21" - 530 x 9" - 225 mm	21" - 530 x 9" - 225 mm	24" - 610 x 10" - 250 mm
Compound slide travel	12" - 300 mm	12" - 300 mm	12" - 300 mm
Tool post square	9" - 228 mm	9" - 228 mm	10" - 250 mm
Tool shank section	1.1/2" - 38 mm x 1.1/2" - 38 mm	1.1/2" - 38 mm x 1.1/2" - 38 mm	1.1/2" - 38 mm x 1.1/2" - 38 mm
Tail stock			
Spindle ram diameter	5" - 125 mm	5" - 125 mm	6" - 150 mm
Spindle ram travel	20" - 500 mm	20" - 500 mm	20" - 500 mm
Taper in tail stock quill	MT - 6	MT - 6	MT - 6
Threads			
Number of threads range in metric	24	24	24
Number of threads range in inch	43	43	43
Number of pitch range in metric	0.5 to 15 PITCH	0.5 to 15 PITCH	0.5 to 15 PITCH
Number of pitch range in inch	2 to 60 TPI	2 to 60 TPI	2 to 60 TPI
Lead screw diameter	2" - 50 mm	2" - 50 mm	2" - 50 mm
Lead screw threads	2 TPI	2 TPI	2 TPI
Electricals			
Motor Recommended	10 H.P.	15 H.P.	20 H.P.

Mfg. by :

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* The Above Specifications are Approximate and Subject to Change without Prior Notice as Improvements are Made From Time to Time.