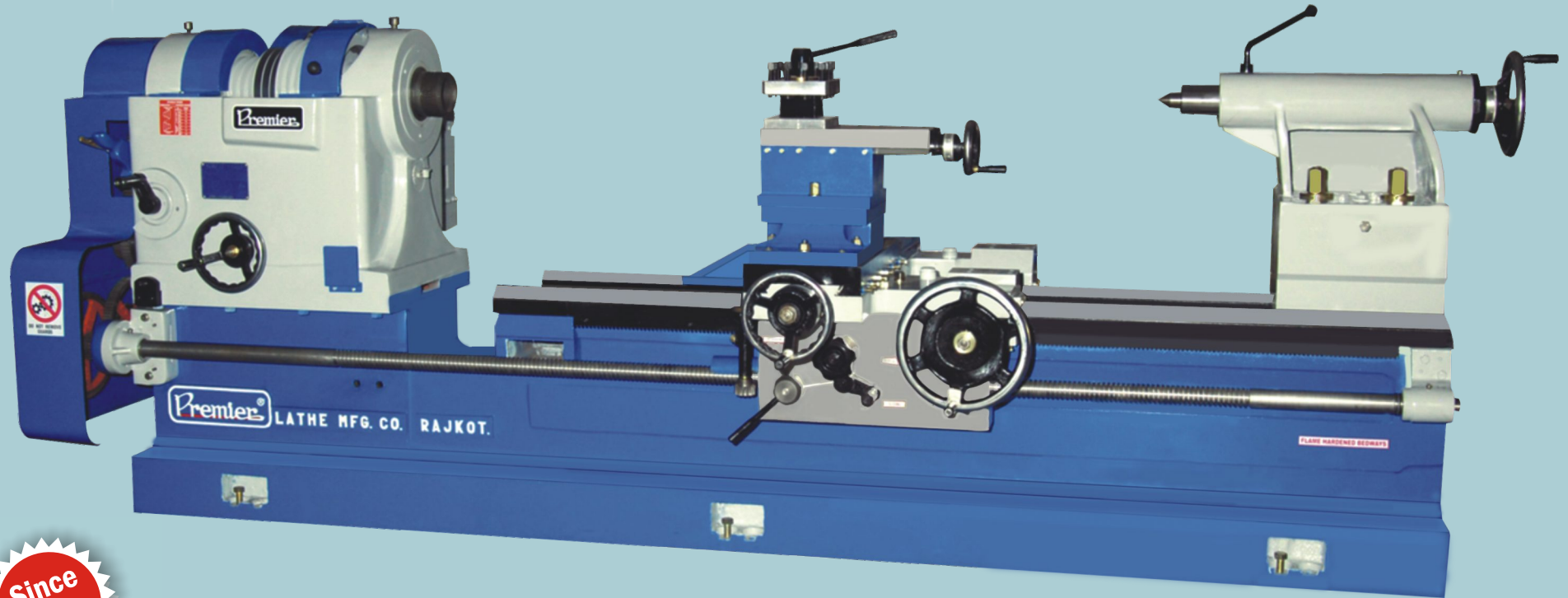




# LATHE MACHINE



AN ISO 9001 : 2000 CERTIFIED COMPANY



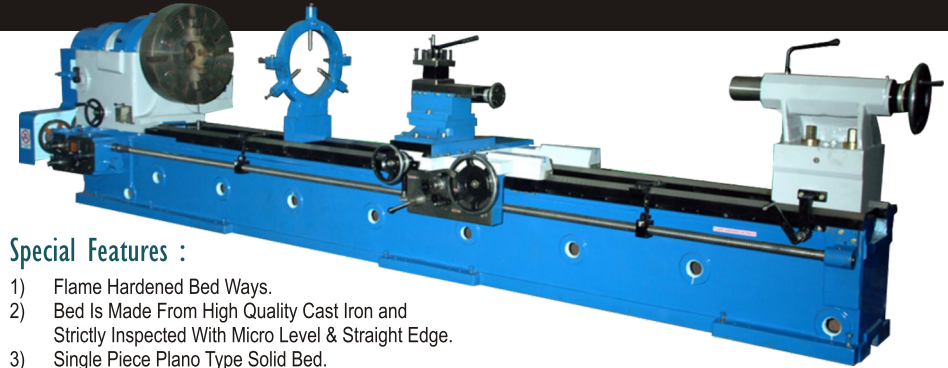
Model : PL - 510 / 610

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# LATHE MACHINE

# Technical Specification



Model	PL - 510	PL - 610
<b>Capacity</b>		
Center Height	18" - 455 mm	22" - 560 mm
Swing over bed	35" - 890 mm	43" - 1090 mm
Swing over cross slide	24" - 610 mm	30" - 760 mm
Swing in gap	50" - 1270 mm	58" - 1470 mm
<b>Bed</b>		
Bed Type	2V & 2Flat (Plano Type)	2V & 2Flat (Plano Type)
Center Height	20" - 508 mm	24" - 610 mm
Length of gape in Front of face plate	10" - 250 mm	10" - 250 mm
Total length of bed	<b>Admit between center</b>	<b>Admit between center</b>
12' feet / 14' feet	2000 mm	2000 mm
16' feet / 17' feet	3000 mm	3000 mm
19' feet / 20' feet	4000 mm	4000 mm
22' feet / 24' feet	5000 mm	5000 mm
26' feet / 27' feet	6000 mm	6000 mm
29' feet / 30' feet	7000 mm	7000 mm
<b>Head Stock</b>		
Number of spindle speed	6	6
Range of spindle speed	20 - 200 RPM	10 - 150 RPM
Spindle nose dia.	5" - 130 mm	6.1/4" - 160 mm
Spindle bore	4" - 100 mm	4.3/4" - 120 mm
Spindle threads	6 TPI	6 TPI
Taper in spindle sleeve	MT - 5	MT - 6
<b>Carriage &amp; compound</b>		
Cross slide dimension	12" - 300 mm x 22" - 560 mm	12" - 300 mm x 24" - 610 mm
Cross slide travel	18" - 455 mm	22" - 560 mm
Compound slide dimension	17" - 430 mm x 7" - 175 mm	17" - 430 mm x 7" - 175 mm
Compound slide travel	10" - 250 mm	10" - 250 mm
Tool post square	7" - 175 mm	7" - 175 mm
Tool shank section	1.1/4" - 32 mm x 1.1/4" - 32 mm	1.1/4" - 32 mm x 1.1/4" - 32 mm
<b>Tail stock</b>		
Spindle ram diameter	3.1/2" - 90 mm	5" - 125 mm
Spindle ram travel	10" - 250 mm	18" - 450 mm
Taper in tail stock quill	MT - 5	MT - 6
<b>Threads</b>		
Number of threads range in metric	24	24
Number of threads range in inch	43	43
Number of pitch range in metric	0.5 to 15 PITCH	0.5 to 15 PITCH
Number of pitch range in inch	2 to 60 TPI	2 to 60 TPI
Lead screw diameter	1.3/4" - 45 mm	2" - 50 mm
Lead screw threads	2 TPI	2 TPI
<b>Electricals</b>		
Motor Recommended	5 H.P. / 1000 RPM	7.5 H.P. / 1000 RPM

## 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 Duly 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 : 1878 (part - I) 1971.

## Standard Accessories :

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

## 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.

## General Specification :

MODEL	Machine Weight (Approx) Kgs.	Floor Space (Approx) L x W x H
PL-510 / 2000	4000 Kgs.	4000 x 1675 x 1550 mm
PL-510 / 3000	4700 Kgs.	5200 x 1675 x 1550 mm
PL-510 / 4000	5400 Kgs.	6100 x 1675 x 1550 mm
PL-510 / 5000	6000 Kgs.	7000 x 1675 x 1550 mm
PL-510 / 6000	6700 Kgs.	8200 x 1675 x 1550 mm
PL-510 / 7000	7500 Kgs.	9200 x 1675 x 1550 mm

MODEL	Machine Weight (Approx) Kgs.	Floor Space (Approx) L x W x H
PL-610 / 2000	6100 Kgs.	4600 x 1800 x 1600 mm
PL-610 / 3000	6700 Kgs.	5500 x 1800 x 1600 mm
PL-610 / 4000	7400 Kgs.	6400 x 1800 x 1600 mm
PL-610 / 5000	8100 Kgs.	7600 x 1800 x 1600 mm
PL-610 / 6000	8700 Kgs.	8600 x 1800 x 1600 mm
PL-610 / 7000	9300 Kgs.	9500 x 1800 x 1600 mm

Mfg. by :

**PREMIER LATHE MANUFACTURING CO.**

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

\* All The Parts Shown in Photo are not Included in Standard Accessories.