

Lathe Machines

Zenith Lathe Are Well Suited For All Common Turning, Surfacing And Screw Cutting With High Accuracy. Zenith Lathes Are Designed For Continuous Lights And Heavy Jobs. Lathe Machines Are Made With Close Grain Graded Casting, Many Models & Size Are Available. Zenith Supply Mainly Two Types Of Precision Lathes, Change Gear Train Lathes And All Gear Head Precision Lathes.



Change Gear Train Lathes Technical Specification				
Model	ZnlT-2	ZnlT-4	ZnlT-6	ZnlT-8
Bed Length	2134mm(7')	3048 Mm (10')	12'(3658)	14'(4267)
Distance Of Between Center	(38")	(74")	98"	120"
Weigth (Approx)	1425 Kg	1750 Kg	1950	2150
Bed Width	300mm (12")	300mm(12 ")	300mm(12")	300mm(12")

Length Of Gap	200mm(8')	200mm(8')	200mm(8')	200mm(8')
In Front Of Face Plate Bed Type	2v And 2 Flat	2v And 2 Flate	2v And 2 Flate	2v And 2 Flate
Head Stock				
Spindle Nose Taper Bore In	Mt-6	Mt-6	Mt-6	Mt-6
Spindle Sleeve	Mt-4	Mt-4	Mt-4	Mt-4
Spindle Thread/Dia	6tpi/76(3")	6tpi/76(3")	6 Tpi/76(3")	6 Tpi/76(3")
Spindle Bore	52mm (21/8")	52mm (21/8")	52mm (21/8")	52mm (21/8")
Capacities				
Height Of Center	254mm(10")	254mm(10 ")	254mm(10")	254mm(10")
Swing Over Bed	495mm(19,1/2 ")	495mm (19,1/2")	495mm(19,1/2 ")	495mm(19,1/2 ")
Swing Over Cross Slide	380mm(15")	380mm(15 ")	380mm(15")	380mm(15")
Swing Gap	790mm(31")	790mm(31 ")	790mm(31")	790mm(31")
Movement Of Cross Slide	230mm(5")	230mm(5")	230mm(5")	230mm(5")

Movement Of Compound Slide	125mm(5")	125mm(5")	125mm(5")	125mm(5")
No. Of Spindle Speed	4+4=8	4+4=8	4+4=8	4+4=8
Rpm (Minimum/Maximum)	25/450	25/450	25/450	25/450
Threads				
Metric Pitch	13 (1mm To 6mm)	13 (1mm To 6mm)	13 (1mm To 6mm)	13 (1mm To 6mm)
Inch Pitch	19 (2tpi To 24 Tpi)	19 (2tpi To 24 Tpi)	19 (2tpi To 24tpi)	19 (2tpi To 24 Tpi)
Lead Screw Of Dia	1 1/2" X4 Tpi	1 1/2" X4 Tpi	1 1/2" X4 Tpi	1 1/2" X4 Tpi
Drive				
Belts	V Or Flate	V Or Flate	V Or Flate	V Or Flate
Electricals				
Motor Power & Supply	According To Customer	According To Customer	According To Customer	According To Customer

Others

- Main Gear Are Helical, Cross Side 18"X158," Spindle Pulley & Bush, Surface/Center/Compound Screw Nut And All In Brass.

- Standard Equipments : Chuck Plate, Face Plate, Change Gear Set (Inch, /Mm) Steady Rest, Follow Rest, Motor Pulley, Tool Post Key Center Adapter, Dead Center And Machine Belt (Flat Or Vtype.)

Silent Features

- The Bed Is Made Of Close-Grained Cast Iron, Having Unusual Strength And Long Wearing Qualities. It Is Machined And Ground To Fine Finish And Is Well Braced To Withstand Vibration Free Operation Even Under Heavy Cutting Load.
- Head Stock The Flat Seat Of Headstock Over The Bed Is Perfectly Matched By Precision Hand Scrapping. The Hollow Spindle Runs In A Pair Of Ample Dimensioned Split Gunmetal Adjustable Bearing And One Thrust Ball Bearing Or Heavy Duty Taper Roller Bearings.
- The Apron Is Of Double Wall Designed With Independent Driven Motion For Feeds And Screws Cutting. Simultaneous
- Engagement Of Feed And Screw Cutting Is Prevented By An Interlock Mechanism.
- The Tailstock Is Of Special And Sturdy Design. Inverted “V” Guides It And Flat Ways Of The Bed Independent Of The Saddle Guides And Has An Offsetting Drive For Taper Turning. The Body Including The Base Can Be Clamped To The Bed By Means Of Bolt And Nut Provided.
- Standard Back Plate For Dog Chuck, Dead Centre (Hardened And Ground), Centre Equipment Sleeve Traveling And Fixed Steady Rests. One Set Of 22-Machine Cut Change Gear Wheels, Oil Tray, Motor Drive Arrangements And Thread Dial Gauge.