



Six Station Turret Lathe

Most Ideal Machines for Economic Production of Turned Parts



The only **SELECTIVE** Turret Lathe in the world
CE

- Bar work upto Ø 42 mm Collet capacity
- Manual / Pneumatic chuck work in 150 mm Size chuck
- Graded casting slides
- Precision class imported spindle bearings
- Hardened, Ground & Super finished guide bars.

“We don’t only sell machines, we also build relationship”

ABHIJAT The only **SELECTIVE** Turret lathe in the world

"ABHIJAT" make Six Station Turret Lathes are available in different models 25, 32, 42. The machines cater to both bar work and manual or pneumatic chuck work. Pre-turned Forged or Cast blanks can be used. The basic machine with 6 position turret, rigid cross slide & vertical slide enables variety of turning, drilling, threading operation to be done in single set up.

MACHINE CONSTRUCTION :- The machine base is a rigid fabricated construction. The spindle is mounted in precision ball bearings. The bearing are mounted directly in the headstock, for higher accuracy and rigidity. The drive pulley is mounted outside the head for ease of speed change or belt change. We offer a direct drive version which is ideal for machining of non-ferrous threaded components. This drive provides only higher spindle speed range and much higher switching cycles are possible, compared to the counter shaft drive.

STANDARD EQUIPMENT :-

Cross Slide, Vertical Slide, Six Position turret, Mechanical hand Operated Collet Chucking Equipment, Direct Drive

EXTRA EQUIPMENT AND ACCESSORIES :-

Coolent Equipment, All Tool Holders for Cross / Vertical Slides & Turret, Hand Operated Chuck with Back Plate, Long Turning Attachment, Bar Feed Attachment, Counter Shaft Drive, Machine lamp, Auto Feed Attachment for Turret, Microprocessor Piece Counter cum Tool Life Indicator
We also offer any special tooling attachments as per customer's requirement.

TECHNICAL SPECIFICATIONS		MODELS			
		25	32	42	
A) Collet	i) Round bright bar mm	Ø 25	Ø 32	Ø 42	
Chucking	ii) Hexagon bright bar mm	22 A/F	28 A/F	36 A/F	
Capacity	iii) Square bright bar mm	18 A/F	22 A/F	30 A/F	
B) 3 Jaw True Chuck size mm		Ø 110	Ø 110	Ø 150	
C) Cross Slide Travel mm		60	60	60	
D) Vertical Slide Travel mm		25	25	40	
E) Turret	i) No. of Stations	6	6	6	
	ii) Tool Reception bore mm (in)	Ø 19.05 (Ø 3.4")	Ø 19.05 (Ø 3.4")	Ø 30	
	iii) Dia of Turret mm	Ø 120	Ø 120	Ø 150	
	iv) Distance between Turret Face to Spindle	215 max.	315 max.	360 max.	
F) Spindle Drive	i) Motor Power	0.37 / 1 KW	0.37 / 1 KW	1.5 / 2.2 KW	
	ii) Motor Speed	750 / 3000 rpm	750 / 3000 rpm	750 / 3000 rpm	
	iii) Direct Drive	1) No. of Speeds	6	—	—
		2) Speed Range	305 - 3200 rpm	—	—
iv) Counter Shaft Drive	1) No. of Speeds	12	8	8	
	2) Speed Range	125 / 4000 rpm	100 / 1400 rpm	750 / 1400 prm	
G) Automatic Threading Attachment	Capacity	i) Ferrous mm	M5 - M14	M5 - M20	M10 - M24
		ii) Non Ferrous mm	M5 - M16	M5 - M24	M10 - M24
H) Long Turning Attachment	Maximum Turning Length mm	75	75	75	
I) Dimensions & Weight	i) Weight of the Machine	Net Kgs.	350	425	650
		Gross Kgs.	435	510	800
	ii) Floor space without feed tube mm		1180 x 1150	1280 x 1250	1500 x 1400
	iii) Case Dimensions mm		1200 x 700 x 1525	1200 x 700 x 1525	1500 x 800 x 1700

OUR OTHER PRODUCTS : 1) Bench Lathe 25 mm, 32 mm 2) CNC Turning Machines

Note : Due to Continuous development of the Machine, the Specifications are Subject to Change without Prior Notice.*

