



ABHIJATTM
EQUIPMENTS PVT. LTD.

The only SELECTIVE Turret lathe in the world

Six Station Turret Lathe

Most Ideal Machines for Economic Production of Turned Parts



- Bar work upto $\phi 42$ m.m. Collet capacity
- chuck work in 150 m.m. 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. Pretuned 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 :-

Coolant 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 Piece Counter

We also offer any special tooling attachments as per customer's requirements.

Specifications & Features of

"PROFEED" Programmable Numerically Controlled Turret

- Programmable feed 20 to 4000 mm/min for Turret & can be set independently for each station.
- Fast Retraction ● Semiskilled Operator required for Operation
- Friendly Programming ● Repeatability 0.02 mm for Lengths
- Overlapping of Cross Slide or Vertical Slide
- Uniformity of feed for better finish & improved tool life
- Threading with Tap or Dienut is possible in Turret Cycle.
- Also Slides can be made numerically controlled & VFD for Main Spindle

Technical Specifications		MODELS			
		25	32	42	
A) Collet Chucking Capacity	i) Round bright bar mm	Ø 25	Ø 32	Ø 42	
	ii) Hexagon bright bar mm	22 A/F	28 A/F	36 A/F	
	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	315 - 3200 rpm	—	—
iv) Counter Shaft Drive	1) No. Of speed	12	8	8	
	2) Speed range	125 / 4000 rpm	100 / 1400 rpm	750 / 1400 rpm	
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 & Weights	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 25mm, 32mm, 2) CNC Turning Machines

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



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REGD. OFFICE & WORKS

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Authorised Dealer :



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