



LOKESH



TL 20 SERIES PRECISION CNC LATHES

A COMPACT PERFORMER SETTING NEW MACHINING STANDARDS FOR MEDIUM SIZED PARTS AND HIGH PRODUCTION

Salient Features

- FEM optimized structure for maximum rigidity
- Rigid main spindle supported on high precision bearings
- Hydraulically operated tail stock
- Laser calibrated axes for precise positioning
- Full guarding
- Centralized automatic lubrication



ISO 9001: 2008

MAJOR SPECIFICATIONS

		TL200	TL20	TL20 (Max)	TL20 (Max) (500)
CAPACITY					
Bed	-	30Deg-H	30Deg-H	30Deg-H	30Deg-H
Swing Over Bed	mm	400	490	490	490
Max Turning Dia (Upto)	mm	260	280	290	290
Standard Turning Dia	mm	160	180	180	180
Max Turning Length (with Chuck)	mm	300(258)	400	400	540
Admit Bet Centres	mm	350	440	440	575
Chuck Size	mm	165(200)	200	200	200
MAIN SPINDLE					
Bore Through Spindle	mm	55	55	68	68
Spindle Nose	-	A2-5"	A2-5"	A2-6"	A2-6"
Spindle Power (Fanuc)	Kw	5.5/7.5	5.5/7.5	7.5/11	7.5/11
Spindle Power (Siemens)	Kw	7/9	7/9	9/11	9/11
Spindle Speed (Inf Variable)	Rpm	3700	3700	3500	3500
Front Bearing Bore	mm	90	90	100	100
Bore Through Draw Bar	mm	25.5	43	46(52)	46(52)
TRAVERSES					
X-Axis Stroke	mm	145	150	155	155
Z-Axis Stroke	mm	320	440	440	575
FEED RATES					
Feed Rate (Inf Variable)	mm/min	0-10000	0-10000	0-10000	0-10000
Rapid Traverse X-Axis	Met/min	30 (36)	24(30)	24(30)	24(30)
Rapid Traverse Z-Axis	Met/min	30 (36)	24(30)	24(30)	24(30)
TAIL STOCK					
Quill Dia / Stroke	mm	70	70	70	70
Quill Taper	No.	MT4	MT4	MT4	MT4
Quill Travel	mm	100	100	100	100
Base Travel	mm	160	250	250	370
TURRET / TOOLING					
Size (Model)	BTP	80	80	80	80
No. of Tool Positions	No.	8(12)	8(12)	8	8
Tool Shank Size	mm	25x25(20x20)	25x25(20x20)	25x25	25x25
Max Boring Bar Dia	mm	40(32)	40(32)	40	40
ACCURACIES (AS PER VDI DGQ - 3441)					
Positional Accuracy	mm	0.01	0.01	0.01	0.01
Repeatability	mm	+/-0.005	+/-0.005	+/-0.005	+/-0.005
CNC SYSTEM					
	Make		Fanuc / Siemens		
MACHINE PHYSICAL PARAMETERS (Approx.)					
Overall Size (LxBxH)	Met	2.2x1.6x1.8	2.8x1.75x1.6	2.8x1.75x1.6	3.0x1.75x1.6
Overall Weight	Kg	3000	3500	3750	3900

Note: Features in brackets () are optional.

Specifications, Standard Accessories, Options etc., indicated in this catalogue are subject to change, due to continuous development.

ACCESSORIES

STANDARD

Coolant System with Splash Guard | Machine Light | A set of Tool holders | One set of Hand Tools

OPTIONS

Chip Conveyor/Bucket | Panel Air Conditioner | Built-in tool presetter | Bar Feeder | Parts Catcher | Chuck / Operating Cylinder | Revolving Center | Automatic wear offset increment | Door interlock | Graphic simulation | Rigid tapping | End of cycle lamp | TPM features