



LOKESH



TL-250

PRECISION CNC LATHE

TL-250

PROVEN HIGH-SPEED AND RIGID MACHINE CAPABLE OF HIGH PRODUCTIVITY AND SUPERIOR ACCURACIES

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

LOKESH MACHINES LIMITED



ISO 9001:2000 / DIN EN ISO 9001:2000
JIS Z 9901:2000

MAJOR SPECIFICATIONS

TL-250		
CAPACITY		
Bed		30° to Horizontal
Swing over bed	mm	490
Max. Turning Dia. (Upto)	mm	360(440)
Standard turning Dia	mm	220
Max. turning Length (with chuck)	mm	540
Admit between centers	mm	575
Chuck size	mm	200
MAIN SPINDLE		
Spindle nose		A2-6"
Bore through spindle	mm	68
Front Bearing Bore	mm	100
Max. Spindle Speed	rpm	3500(4000)
Spindle Power	Kw	7.5 / 11(11/15)
TRAVERSES		
X' - Axis stroke	mm	230
Z' - Axis stroke	mm	575
FEED RATES		
Feed rate (inf. variable)	mm/min	0-10,000
Rapid traverse - X- Axis	Mt/min	24(30)
Z- Axis	Mt/min	24(30)
TAIL STOCK		
Quill dia	mm	70
Quill Taper	No.	MT4
Quill Stroke	mm	100
Base travel	mm	370
TURRET		
Size (Model)	BTP	80
No. of stations	No.	8(12)
Tool shank size	mm	25x25
Max. Boring bar dia	mm	40
ACCURACIES (AS PER VDI - DGQ - 3441)		
Positioning Accuracy	mm	0.01
Repeatability	mm	0.005
CNC SYSTEM	Make	Fanuc/Siemens
M/C PHYSICAL PARAMETERS (APPROX)		
Overall size (LxBxH)	Mt.	2.8x1.88x1.9
Overall weight	kg.	4000

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 / Bar puller
- Parts Catcher
- Chuck / Operating Cylinder
- Revolving Centre
- Tail Stock with built-in centre
- Two Speed Gear box for spindle drive
- C-Axis with live tools

SYSTEM FEATURES

Standard

- Manual Data Input
- Tool nose radius compensation
- Self diagnosis function
- Alarm and Operator Message History
- Constant surface speed control
- Linear & circular interpolation
- Polar co-ordinate interpolation
- Cylindrical interpolation
- Multiple and continuous threading
- Threading retract
- Direct drawing dimension programming
- Absolute and incremental programming
- Provision for DNC with RS232 C / PCMCIA card
- Part program memory 320MT (128kb)
- Background editing
- Inch / Metric conversion
- Custom Macro 'B'
- Parts counter and run hour display
- Spindle orientation
- Tool life management
- 64 tool offset pairs
- Canned cycles
- Graphic function
- Polygon turning

OPTIONS

- Tool pre-setter probe
- Automatic wear offset increment
- Door interlock switch
- Graphic simulation
- Rigid Tapping
- 3 tower lamp
- End of cycle lamp

The Driving Force of Indian Auto Industry



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