

SS-MT-100

CNC Lathe Trainer

CNC



Powering the Educational World

MICRO TURN

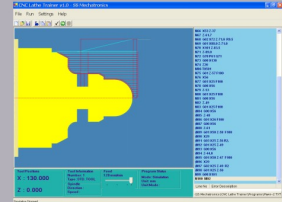


Features

- Table Top, PC controlled 2 Axis CNC Lathe
- Slant Bed Design
- Windows based software
- Fanuc compatible programming codes
- 8 station Programmable Indexable Turret
- Compatible to FMS Technology
- Fully enclosed Machine



CNC LATHE TRAINER SS



Mechanical Specifications

Swing over Bed	: 200 mm
Swing over cross slide	: 60 mm
Distance between centers	: 250 mm
Spindle Speed	: 200 - 3000 rpm
Spindle Taper	: MT3
X axis Travel	: 80 mm
Z axis Travel	: 200 mm
Max. Dia & length of job	: 32mm/120mm
Resolution	: 0.005 mm

Controller Details

Mains Supply	: 230 V AC, 1phase, 10 Amp
Spindle Motor	: 0.5HP, 3phase AC Motor
Axes Motors	: Stepper Motors 400 Steps / Rev
Emergency stop	: By Hardware

Standard Accessories

- Personal Computer
- Spindle Motor with AC Drive
- Three jaw self-centered chuck (100mm)
- Tailstock
- Machine Controller
- 8 Station Turret
- Servo Stabilizer
- Machine Enclosure

Optional Accessories

- Automatic Lubrication
- Machine Base Frame

Machine Dimensions

Machine L x W x H	: 900 x 550 x 500 mm.
Machine Weight	: 160 kg.

Software Features

- Windows based software with Graphics user Interface (GUI).
- Fanuc compatible programming codes (ISO format).
- On-line 2D graphics Facility with Tool Path Indication.
- MDI facility.
- Metric as well as Inch Programming.
- Absolute & Incremental Programming.
- Program Printout facility with 2D Graphics.
- Tool-Offsets facility.
- On-line programming Help.
- Programmable feedrate.
- Dry -Run facility.
- Powerful on-line Editor.
- Block copy, Delete, Search, Skip facility.
- Software & Manual Stops.
- Subroutine call.
- Simulation & Execution in Single / Auto Block mode.
- Automatic program syntax check.
- Jog mode for initial Tool positioning.
- Over Travel limits & Emergency stops.
- Online information about current tool position, spindle speed, tool no. & feedrate.
- Cycle start, Pause, Resume & stop facility.
- Programmable Dwell.
- Software based automatic lubrication system.
- Various cycles for turning, taper, groove, parting, drilling & chamfer.

Other CNC Models

- Power Turn SS-PT-100
- Max Power Turn SS-MPT-300 (With Industrial Siemens controller)



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