
EDUCATIONAL CNC LATHE



The **CNC T-100** lathe is a flexible, accurate and affordable technical training machine designed by our Company to meet cost effectiveness training needs. Despite of its small size, the **CNC T-100** complies with industrial standards assuring the same machine operations performed by much larger and more expensive machine tools; rather than impairing the training potential, its compact size enhances it, allowing the student to thoroughly understand both the programming and the on board machining. All mechanical, electrical and electronic components are high-quality ones, perfectly fit for a continuous and heavy-duty operation. The machine is built according to current international regulations and the operator personal safety is safeguarded by a number of design features. The **CNC T-100** can be connected to any CAD –CAM or fit into any CIM or FMS system.

The **CNC T-100** is supplied with the widespread **FAGOR 8025** industrial CNC control unit and equipped with:

- toolholder turret with easy manual tool replacement
- automatic cooling system
- lubrication system
- manual clamp
- total safety protection
- support table
- tool kit
- training and technical manuals
- all the accessories required for immediate machine operation.

The **CNC T-100** can be provided with other CNC control units different from the standard one (FAGOR). The availability of a rich range of options and the comprehensive technical and training manuals enable the achievement of ambitious teaching goals.

CNC T-100 LATHE

MAIN TECHNICAL FEATURES

- 45° slanting electrically welded steel plate bed with cast iron saddle
- Rolled balls re-circulating threads
- CNC control unit: FAGOR 8025 with CAD-CAM connection
- DC motor drives with closed loop speed control through encoder
- 0.17 Nm DC axis motors with 1:5 reduction gear
- Axis strokes: X=100mm, Z=220mm
- Height of centers: 260mm
- Turned maximum diameter: 160mm
- Cross slide turned maximum diameter: 160mm
- Repetitivy: 0.03 mm
- Precision: 0.03 mm
- Spindle motor power: 1HP AC
- Axis fast displacement speed: mm/1' 2500
- Spindle rotation speed: 5600 RPM
- Manual spindle external diameter: 100mm
- Toolholder turret with easy manual tool replacement: 2 10X10mm section tools
- Cooling and lubrication included
- Tool kit included
- Power supply: two-phase 230V/50 –60 Hz (other available on reques)
- Size: 1200 x 700 x 620 (h) mm
- Weight: 200 kg approx.



OPTIONS

- Electronic handwheel
- Table base with sliding doors and adjustable feet
- CAD-CAM software
- CNC editing and machining simulation
- Quality Control (in according ISO-9001 certification) with software and hardware solutions
- Planning, Control and Production management software

