

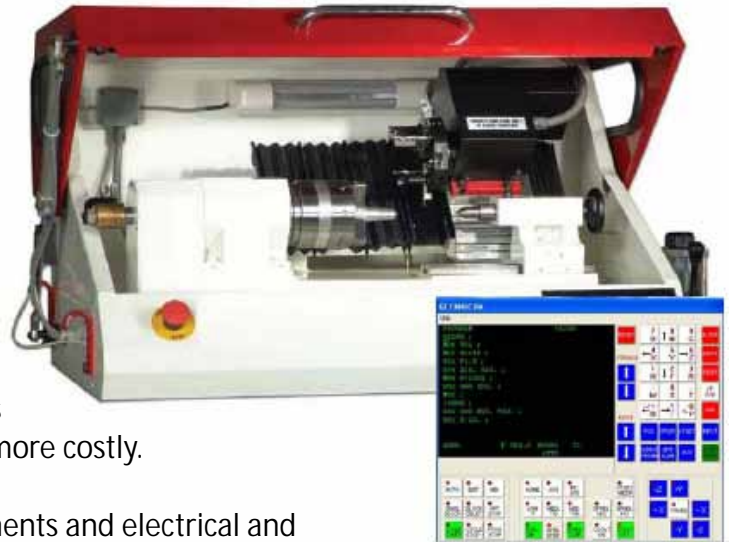
CNC T-150

- Equipped with FANUC control panel emulated on PC
- 45° inclined bed
- Recirculating ball screws
-x-axis dia. 12 mm pitch 2, 5 mm
-z-axis dia. 16 mm 5 mm pinning
- Automatic tool changer with eight positions
- Spindle with continuously variable speed
- Reduced machine dimensions
- High reliability
- Centralized lubrication system
- 230 V power supply
- Turcite-B made sledges axis
- Connectable to CAD-CAM systems
- Possible inclusion with CIM/FMS systems
- Complete with tools and accessories
- Complete with manuals
- Connectable to CAD-CAM systems
- Possible inclusion in CIM/FMS systems



The numerical control lathe CNC model T-150 is the result of a careful study aimed at the realization of a flexible machine, precise and economical. It is the ideal machine for use in technical and vocational training.

Despite its small size, the model T-150 CNC is fully adhering to the industry standards ensuring operations on board of the machine reproducing exactly the typical operation of CNC lathes significantly larger and more costly.



The mechanical components and electrical and electronic equipment used are all high quality and suitable for use intense and continued.

The machine is built according to international safety regulations and many constructive measures taken actively protect the operator.

Thanks to its complete expandability, you can connect the cnc machine to any CAD/CAM system or integrate this machine in CIM systems or FMS.

Supplied with control panel ' CN-FANUC ' emulated, separated with PC-interface and complete industrial keyboard and software, toolpost with quick switching capability, automatic cooling system, lubrication systems, manual grip, protective covers, support table, tool kits, instructional and technical manuals for easy and immediate start-up.

Its small size does not affect the validity or the teaching reinforce why immediately understandable to the student is both programming executable processes on board.



CNC T-150

PROGRAMMING FEATURES

- Numerical control FANUC CNC emulated on PC complete with dedicated industrial keyboard and software
- Standard programming ISO format CNC FANUC
- Linear and circular interpolations
- Machine cycles management
- Complete G & M functions
- Subprograms
- Error reports
- Simultaneous control on X and Z axes
- Automatic cycle execution or block-block
- Storage on Hard Disk
- Compensation tools
- Offset piece and tools nr. 16
- Dynamic simulation with 2D & 3D graphics
- Password for machine and parameters protection



TECHNICAL CHARACTERISTICS

Useful Area:

- Z-axis stroke : 180 mm
- X axis stroke: 80 mm
- Max turning diameter: 32 mm
- Bench width: 135 mm
- Distance between centres: 210 mm

Main spindle

- Spindle speed: 150-3000 RPM
- Spindle: MT3-step bar: 20 mm
- Spindle diameter: 100 mm

Advancement

- Fast forward X-axis 1200 mm/min
- Fast-forward Z-axis: 1200 mm/min
- Feed X-axis speed: 0-1000 mm/min
- Z-axis speed: 0-1000 mm/min
- Axis motor (400 steps) torque: 80 nm

Tailstock

- Tailstock quill stroke: 40 mm
- Tailstock quill diameter: Ø 26 mm
- Tailstock taper: MT 2

Installed power

- Main drive motor power: 0.76 kW
- Total power: 1.4 total kVA
- Supply voltage: 230 V single-phase

Accuracy

- Repeatability: 0.008 mm
- Precision positioning: 0.015 mm

Tool changer

- Automatic turret: with 8 position
- Tool size: 12 x 12 mm

Dimensions and weight

- Dimensions: 880x575x615 mm
- Weight: 150 kg

The available options together with the complete documentation provided make it possible to achieve very ambitious learning outcomes, within a very short time and at very competitive costs.



(Specifications and appearance may change without notice)