

## CNC T-1000

CNC T-1000/80

CNC T-1000/125

· ELECTRONICS:

Dedicated CNC with simultaneous control on 3 axes included the tower

· SOFTWARE:

Graphic and automatic ISO programming via PC

· CASING:

With overhead door and interlocked socket

· HANDLING AXES:

Recirculating ball screws 15 mm diameter 5 mm pinning

· GUIDES:

Steel prismatic

· INTERFACE:

100Mbits Ethernet port

· TOOL SET:

Automatic with sensor

· ACCESSORIES:

Complete tool kits, accessories and manuals

· CERTIFICATIONS:

Built in full conformity with the Machinery Directive 98/37/EC and subsequent amendments 2006/42/EC



The **CNC lathe model T-1000** is the result of a careful study aimed at the realization of a flexible machine, precise and economical, designed for technical and vocational training.

Controlled and managed by a PC equipped with special software with ISO STANDARD language that emulates the real functioning of a complete industrial CNC.

The processing power of the PC and the flexibility of use of the software, perform work of any kind and complexity with a didactic effectiveness equal to traditional CNC machines.

Despite its small size the model T-1000 CNC is fully adhering to the industry standards, ensuring on board operations reproducing exactly the typical operation like on much larger and expensive machines.

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

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

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

Supplied with control panel emulated PC interface and separate software, quick change tool post with manual, automatic cooling system, lubrication systems, manual grip, protective covers, table, tool kits, technical manuals and teaching aids for an immediate operation.



## CNC T-1000

### CNC T-1000/80

### CNC T-1000/125

- Connectable to CAD-CAM systems and easy integration with CIM/FMS systems
- Dynamic simulation of 2D colour graphics 3D &
- Password protection and machine parameters
- DISTANCE BETWEEN TIPS: 250 mm
- TURNING DIAMETER max: 100 mm
- SPINDLE TAPER: 30 mm
- SPINDLE ROTATION SPEED: 0 – 1500 rpm continues with consistent cutting speed
- POWER SUPPLY: 230V single-phase
- INSTALLED POWER: 1,5kW
- DIMENSIONS: 1200x690x650 mm



Its small size and the solutions adopted to improve the educational validity, make it immediately understandable to students the processes that can be performed on board and learn programming.

#### TECHNICAL CHARACTERISTICS

	CNC T-1000/80	CNC T-1000/125
SPINDLE DIAMETER:	80mm	125mm
SPINDLE MOTOR:	AC Brushless 0,4kW	AC Brushless 0,75kW
NOMINAL/MAX TORQUE (SPINDLE MOTOR) :	1,3N.m / 4,8N.m	2,4N.m / 7,5N.m
AXIS MOTORS:	stepper motor 110N.cm	
ELECTRONIC RESOLUTION:	0.006mm	
REPEATABILITY:	+/- 0,05mm	
RAPID AXIS SPEED:	2000mm/min	
LONGITUDINAL SLIDE (Z axis):	65mm	
CROSS SLIDE (X-axis):	250mm	
TURRET TOOL HOLDERS	2 manual positions	4 automatic positions
WEIGHT :	100Kg approx.	110Kg approx.

The available options together with the complete documentation provided allow achieving very ambitious learning outcomes, quickly and at a very competitive costs.



(Specifications and appearance may change without notice)