

CNC F-150

- Equipped with FANUC control emulated on PC
- FANUC CNC control panel emulated with PC interface and Industrial keyboard
- 45° inclined bed
- Recirculating ball screws the axis X-Y-Z diameter 16 mm, 5 mm pinning
- Automatic tool changer with six 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 milling machine model CNC F-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 F-150 CNC is fully adhering to the industry standards ensuring operations on board of the machine reproducing exactly the typical operation of CNC milling machine 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, with PC-interface and complete software and industrial keyboard, toolpost with quick switching capability, automatic cooling system, lubrication systems, manual grip, protective covers, support table, tool kits, instructional and technical manuals, for an easy and immediate start-up.

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.



CNC F-150

PROGRAMMING FEATURES

- Numerical control FANUC emulated on PC 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 work area:

- Z-axis stroke : 115 mm
- X-axis stroke: 225 mm
- Y-axis stroke : 150 mm
- Distance between spindle nose and table: 70-185 mm

Main spindle

- Spindle speed: 150-4000 RPM
- Spindle attack type: BT 30

Table

- Table size: 360x132mm

Advancement

- Fast forward X-Y-Z-axis speed 1200 mm/min
- X-Y-Z-axis speed: 0-1200 mm/min

Installed power

- Main drive motor power: 0.76 kW
- Total power: 1 kVA
- Supply voltage: 230 V single-phase

Accuracy

- Repeatability: 0.005 mm
- Precision positioning: 0.010 mm

Tool changer (OPTION)

- Automatic turret: with 6 position
- Tool size: Max 16 mm

Dimensions and weight

- Dimensions: 1000x575x650 mm
- Weight: 170 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)

