

## CNC F-100

- 45° slanting electrically welded steel plate bed with cast iron saddle
- Electrically welded steel plate frame with cast iron saddle
- Rolled balls re-circulating threads
- CNC control unit: FAGOR 8025
- DC motor drives with closed loop speed control
- Digital feedback DC motors, with encoder position control
- Axis motors: 0.17Nm permanent magnets DC with 1:5 reduction gear
- Axis strokes: X=160 mm, Y=100mm, Z=120mm
- Repeatability: 0.03 mm
- Precision: 0.03 mm
- Spindle nose/board surface distance: 180mm
- Board size: 380 x 130mm
- Tool holders: ISO 30
- Max. tool diameter: 20 mm
- Spindle motor power: 1HP AC
- Axis fast displacement speed: 2500mm/1'
- Spindle rotation speed: 5600 RPM
- Manual tool holder
- Lubrication included
- Manual clamp and kit tools included



**CNC F-100** is the result of a careful study aimed at the realization of a flexible machine, precise and economical, dedicated for technical and vocational training.

Despite its small size the CNC model F-100 is fully adhering to industry standards, it provides on-Board operations which reproduce exactly the typical operation of larger and more expensive machines.



The electrical and electronic mechanical components used are all high quality, suitable for intensive use and ongoing basis.

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

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

Supplied as standard with the FAGOR mod. 8035 industrial CNC control unit, colour LCD display, tool holder turret with manual quick change system, automatic cooling, lubrication systems, manual clamp, total-protection enclosure, table stand, tool kits, technical manuals and teaching aids for an immediate operation.



## CNC F-100

- Power supply: two-phase 230V/50-60 Hz (Other voltage available on request)
- Size: 1300 x 700 x 980 (h) mm
- Weight: 250 kg approx.

*Its small size also strengthen didactical value because it makes immediately understandable to the student all the possibilities of programming and about the processes and operations carried on board.*

Milling machine mod. CNC F-100 comes standard included with:

- Industrial CNC FAGOR mod. 8025,
- Colour LCD display,
- Quick manual-tool changer
- Automatic refrigeration system
- Lubrication system
- Manual clamp
- Total protective fairing
- Table stand
- Tool kits
- Instructional and technical manuals
- All required accessories for an immediate operational start.



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



(Specifications and appearance may change without notice)