

Hermes

Industrial CNC training lathe with integrated PC control



Multi CNC.

Programming and display of FAGOR, SIEMENS and FANUC simulators. Includes PC, touchscreen and keyboard.



The Hermes lathe with integrated PC and the control program on the machine itself brings the experience of using a PC-controlled industrial machine closer to reality.

Its touchscreen and the interactive interface simulation on each ensure the sense of working with the real control, in addition to the advantage of using software designed to form part of the teaching/learning process.



Axes

- Rectified spindles with double nut, prestressed, IT5 quality.
- Linear guide rails with ball recirculation.
- 1.8° step motor

Head

- High precision bearings with 2 rows of angular contact balls.
- Max. torque.: 7Nm a 2000 rpm

Technical Characteristics

Swing diameter	230 mm
Distance between centres	530 mm
Longitudinal Z travel	275 mm
Transversal X travel	96 mm
Spindle motor	Three-phased asynchronous 1,5 Kw
Spindle rotation speed	100 - 4000 rpm
X,Z axes motors	step 200 s/rev
Quick advance	2500 mm/min
Toolholder turret	8 pos (12 x 12 mm)
Electronic resolution	0,0025 mm
Door opening	Manual
Power supply	220 V 50/60 Hz
Installed power	1,9 KW
Dimensions	1190 x 615 x 700 mm
Approximate weight	300 Kg



STANDARD CONFIGURATION

- Integral casing with built-in safety devices.
- Manual 125 mm diameter chuck.
- Conventional tool holder turret.
- Set of user and programming manuals.
- Control software for PC.



OPTIONAL ACCESSORIES

- Manual 60 mm tailstock travel, CM2 morse taper.
- Cooling system.
- Pneumatic 110 mm diameter chuck.
- Tool holder turret with VDI quick change system.
- Automatic access door operated by pneumatic cylinder (for use in CFF).
- Tool holders and carbide inserts.
- Support table for the machine and the PC.
- Winunisoft editing and simulation software.

Wincontrol multi-CNC PC control software

The program allows the user to simulate and execute the machining of a CNC programme, ISO code edited or defined by a CAD/CAM system, analysing the errors that may occur in this.

The machine control is carried out through a realistic simulation of the control panel (FAGOR, SIEMENS, FANUC) with which the user is working.

The main features of the programme are:

- Assisted creation of new projects customised for the chosen control.
- Graphic help menu for programming all ISO functions supported by the chosen control.
- Control of the machine drives.
- Execution of programs in automatic mode or single block.
- Simulation of different tool geometries.
- Simulation in various 3D views of the work-piece, tool and paths.
- Section of the work-piece from different angles.
- Selection of different colours for the different tools.
- Collision detection of the tool and the handle with the part and the jaw chuck.
- Printing of all the data, the CNC programme and the graphic representations.

To all of these features we must also include the high quality graphics that contribute to the speedy understanding of the simulated machining and to the clear detection of errors.

