NEW PROJECTS

NEW PRODUCT

UNICORN ML102 : Training Milling & Lathe machine

Larissa 28.8.2014

POLYTECH announces its new product UNICORN ML 102, in replacement of PTS-3910(Training CNC Milling Machine) and PTS-3920(training CNC Lathe Machine), which constitutes the LHP 108 laboratory.

Unicorn ML 102 is a training CNC Lathe **and** Milling Machine, specially designed for network operation including Control and CAD/CAM software.

STUDY SUBJECTS

- **G&M – CODE language**
- **Process Monitoring**
- **First Milling Program-Slot processing**
- **Profile processing**
- **Pocket processing**
- **Drill processing**
- **Turning processing**
- **Arches**
- **Grooving processing**
- **Turning the rod**
- **Project processing**
- **Processing of full 3 axis asymmetric project combining milling and lathe controlled in 4th axis**
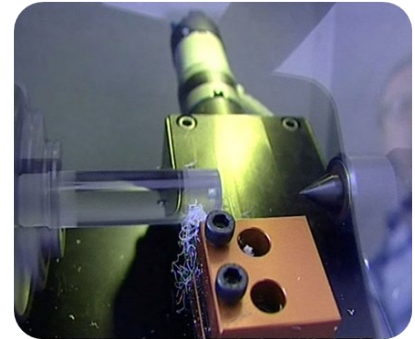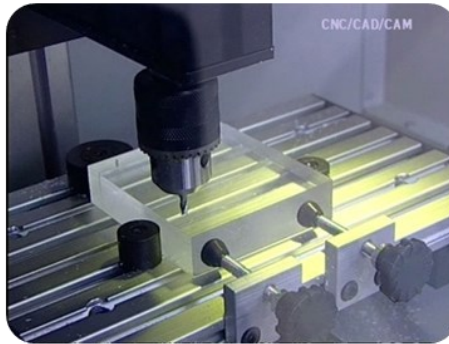
The **UNICORN ML 102** provided with complete software for the operation of the machine to operate in connection with a PC. Using PC keyboard it operates with standard programs and basic commands.

The machine is offered complete with all tools, components and accessories for its operation (cutting tools, special tools etc.) for producing model parts from <u>wax or wood or soft metal material</u>. The machine has its characteristics as well as the quality and safety symbols on a label or engraved on its body. The machine is complete with analytical maintenance, operation and programming manuals.

A universal CNC machine combining CNC Milling and Lathe mechanism.

Complete set:

- A small size (65x50x60 cm) powerful Universal CNC, operating in dual mode (Lathe or Mill) via any PC.

- The training system covers the hardware components, operation, Interface with workstations CAD/CAM software , and programming exercises in G& M-Codes for Lathe and Milling machine operation.

- All system is controlled with built in Controller & SW which enables the student to program the controller for basic and advanced applications in CNC machines is included in the system.

- The system is accompanied by control software for Windows that controls the system operation via the computer. The software enables exercising programming, and can be parameterized to simulate various CNC machines keyboards controls such as FANUC and SIEMENS. The machine can be driven by the PC keyboard via the control application and additionally comes with a hand held keyboard which facilitates the operator to use control keys while directly observing the machine process and not being obliged to look at the PC screen.