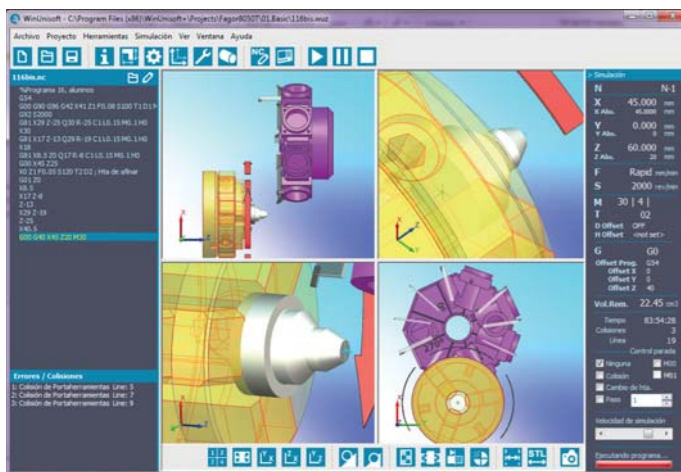


## SOFTWARE FOR PROGRAMMING, SIMULATION AND CONTROL OF MACHINES



Learn how to develop your own mechanization projects and complete the job using our PC based machines using the control brand of your choice; Fagor, Fanuc or Siemens. This software package, which is the leader in its sector, is intuitive, easy to operate and produces excellent results. It allows development and experimentation, on a single platform, with programming of different numerical controls.

Includes machine-control module for Atenea, Hermes, Armoni and Apolo.

**One simulator - Multiple controls**  
FAGOR, FANUC, SIEMENS

WinUnisoft+ has been designed specifically to be used in the learning-teaching process. Without neglecting the technological content, this software has been equipped with a complete range of projects and educational resources to aid the student in the fast acquisition of knowledge.

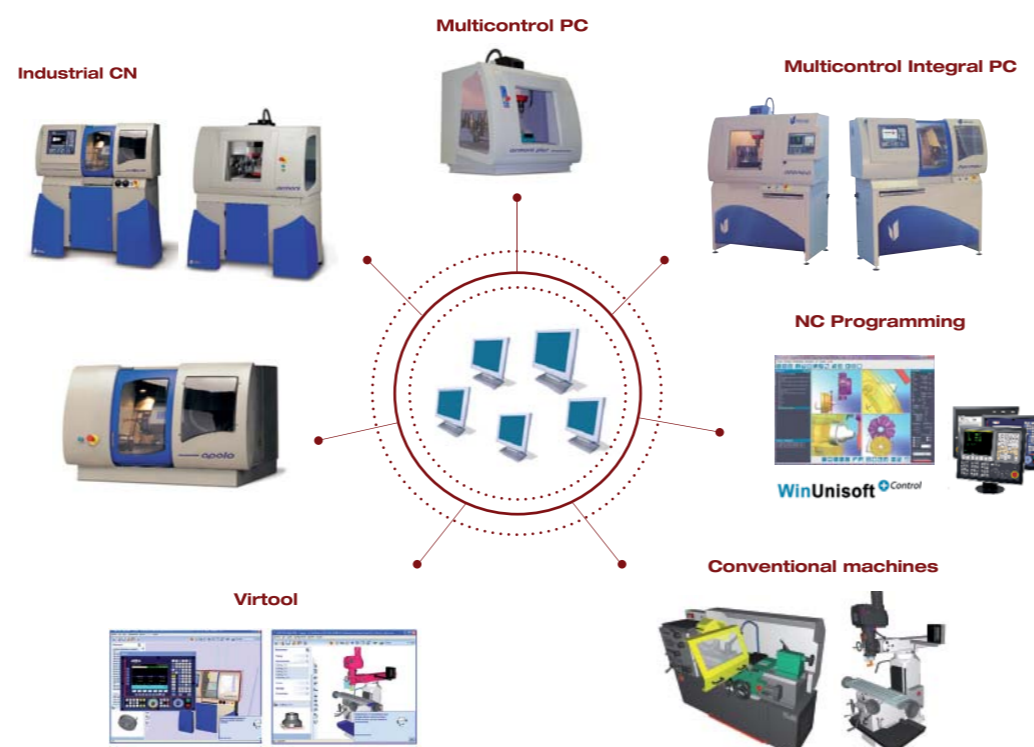
- Create your own projects or work with the wide range of activities included in the Alecop library.
- Setup machine parameters, workpieces, tools and tool holders.
- Get to know, understand and master the different programming languages quickly and easily using our assistants and educational resource repository. Use the 3D simulator during the whole process, even to evaluate your results and perform measurements.
- Operate the machine with realistic simulated control panels.
- Send and run your programs on any machine or in your Alecop CNC classroom.
- WinUnisoft+ Control is included with each PC-controlled machine (Hermes, Apolo, Armoni and Atenea).
- WinUnisoft+ for programming skills (USB and web licences).



## MECHANICAL MANUFACTURING FLEXIBLE CLASSROOM

We are ready to customize your own Manufacturing Classroom, tailored to your specific needs

Contact us without obligation



Machine Tool professionals are among the most sought after by companies. The competencies behind the qualifications in this field are complex and range from the interpretation of plans to working in Industry 4.0 environments.

Our classroom proposal is based on the combination of CNC machines, mechanical design software and NC programming Alecop software, generating an efficient and motivating environment for students and tutors.

**All this equipment has the following educational aims**

- CNC Programming.
- Operator skills.
- Implementation and maintenance of CNC machines.



YouTube

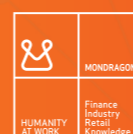


**Scan the QR code\***  
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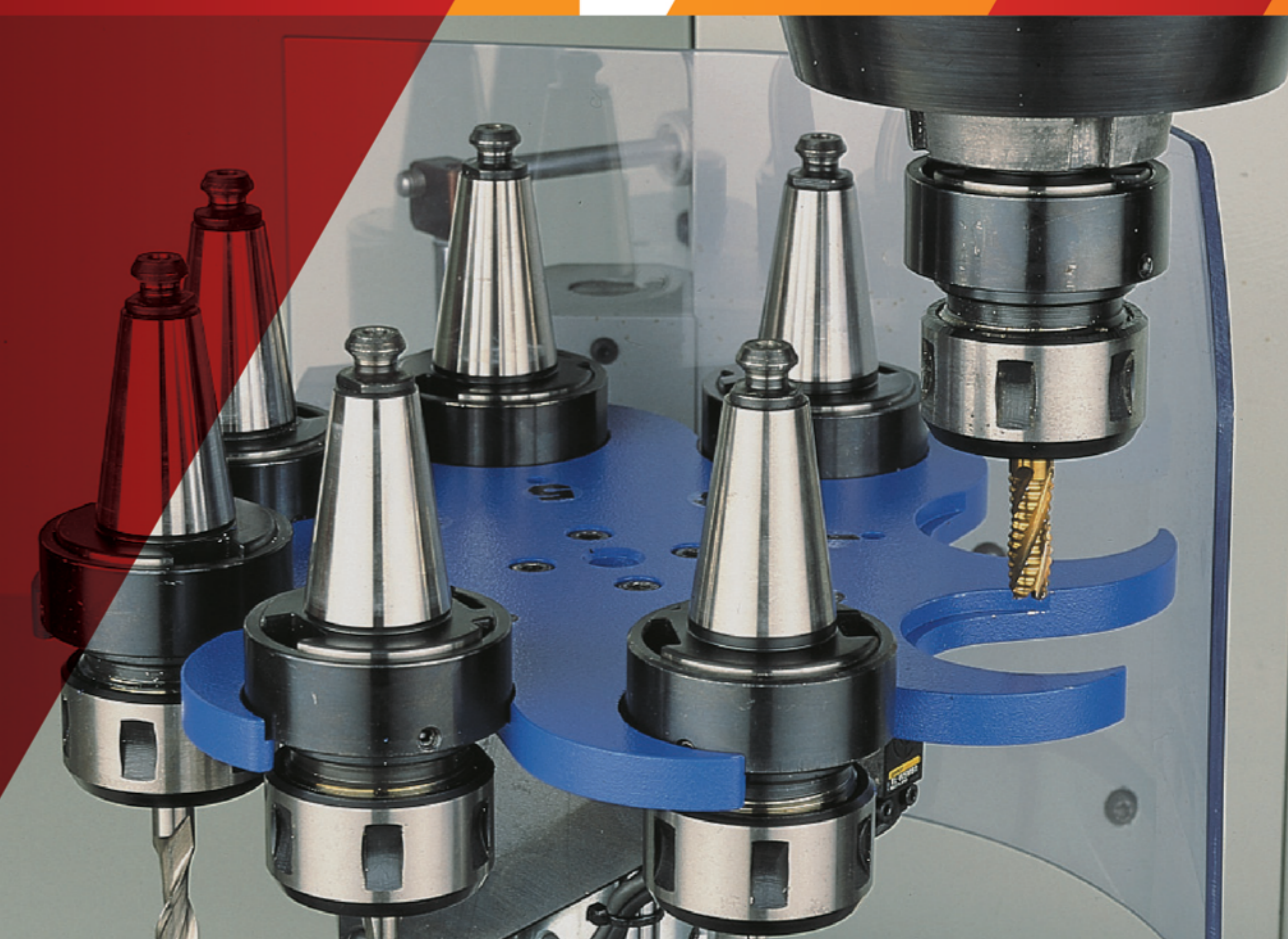
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**AlecopGroup**  
Didactic Equipment

**AlecopGroup**  
Didactic Equipment

## Mechanical Manufacturing



# Apolo Plus

CNC didactic lathe controlled from PC

## WinUnisoft+ Multi Control

Programming and display of FAGOR, SIEMENS and FANUC simulators.



Swing diameter	230 mm
Distance between centres	530 mm
Longitudinal Z travel	275 mm
Transversal X travel	96 mm
Spindle motor	Three-phase asynchronous 1,5 Kw
Spindle rotation speed	50 - 4000 rpm
X, Z axes motors	Step 200 s/rev
Quick advance	2500 mm/min
Tool holder 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 Manufacturing Systems).

# Hermes

Industrial CNC training lathe with integral PC control

## WinUnisoft+ Multi Control

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



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	50 - 4000 rpm
X,Z axes motors	step 200 s/rev
Quick advance	2500 mm/min
Tool holder turret	8 pos (12 x 12 mm)
Electronic resolution	0,0025 mm
Door opening	Manual/Automatic
Power supply	220 V 50/60 Hz
Installed power	1,9 KW
Dimensions	1350 x 600 x 1540 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 Manufacturing Systems).

# Eclipse

Didactic Lathe with Numerical Control

## Compact, robust and resistant

Design integrated in one single body, totally mobile in the classroom-workshop. High cutting capacity suitable for machining steel. Metal protections resistant to swarf and coolant.



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	50 - 4000 rpm
X,Z axes motors	step 200 s/rev
Quick advance	2500 mm/min
Tool holder 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	1350 x 600 x 1540 mm
Approximate weight	400 kg

## Customizable industrial CNC machine

- Different industrial CNC options.
- Flexible configuration.
- Conventional or VDI Indexable turret.
- Manual or Pneumatic Jaw chuck.
- Cooling system.
- Manual tailstock.
- Electronic controls.



# Armoni Plus

CNC didactic machining centre controlled by PC

## WinUnisoft+ Multi Control

Programming and display of FAGOR, SIEMENS and FANUC simulators.



Longitudinal X travel	200 mm
Transversal Y travel	200 mm
Vertical Z travel	200 mm
Measurements of the work table	450 x 180 mm
Maximum spindle-table distance	320 mm
Spindle motor	Three-phase asynchronous 1,5 Kw
Spindle taper	ISO 30
Spindle motor rotation speed	50-4000 rpm
Axes advance motors	200 steps/rev
Maximum advance of axes	2500 mm/min.
Electronic resolution	0,0025 mm.
Opening of door	Automatic
Supply voltage	220 V 50/60 Hz
Dimensions of machine	970 x 750 x 900 mm
Approximate weight	310 Kg

## Standard configuration

- Vertical milling machine with built-in safety devices.
- Set of user and programming manuals.
- Control software for PC.

## Optional accessories

- 8 position tool changer.
- Parts securing device. (Manual jaws, corrected or pneumatic jaws).
- ISO-30 tool holder cones. Clamps and cutters.
- Support table for the machine and the PC.
- Cooling system.
- Silent air compressor.

# Atenea

CNC industrial machining centre for training with integrated PC control

## WinUnisoft+ Multi Control

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



Longitudinal X travel	200 mm
Transversal Y travel	200 mm
Vertical Z travel	200 mm
Measurements of the work table	450 x 180 mm
Maximum spindle-table distance	320 mm
Spindle motor	Three-phase asynchronous 1,5 Kw
Spindle taper	ISO 30
Spindle motor rotation speed	50-4000 rpm
Axes advance motors	200 steps/rev
Maximum advance of axes	2500 mm/min.
Electronic resolution	0,0025 mm.
Door opening	Automatic
Supply voltage	220 V 50/60 Hz
Dimensions of machine	1460 x 910 x 1870 mm
Approximate weight	400 Kg

## Customizable machine

- Vertical lathe with incorporated safety devices.
- PC, touch screen and keyboard (Wincontrol software installed).
- User's and practical manuals.
- Control software for PC.

## Optional accessories

- 8 position tool changer.
- Parts securing device. (Manual or pneumatic jaws).
- ISO-30 tool holder cones. Collets and mills.
- Support table for the machine and the PC.
- Cooling system.
- Silent compressor.

# Odisea

Numeric Control Didactic machining centre



Longitudinal X axis travel	200 mm
Transversal Y axis travel	200 mm
Vertical Z axis travel	200 mm
Measurements of the work table	450x180 mm
Maximum spindle-table distance	320 mm
Spindle taper	ISO 30
Spindle motor	Three-phase asynchronous 1,5 kW
Spindle rotation speed	from 50 to 4000 rpm
Spindle taper	ISO 30
Axes activation motors	CC (1,44 Nm)
Quick advance	5000 mm/min
Electronic resolution	0,001 mm
Door opening	Automatic
Monophase power supply	230V 50/60Hz
Measurements	1470x 918x 1855 mm
Approximate weight	550 Kg

## Customizable industrial CNC machine

- Different industrial CNC options.
- Flexible configuration.
- Cooling system.
- Divider chuck for horizontal axis.
- System for gripping parts: High Precision Manual vice, Manual Operation vice, Pneumatic Operation vice (3kN).
- Automatic 8 tool changer.
- Electronic controls.