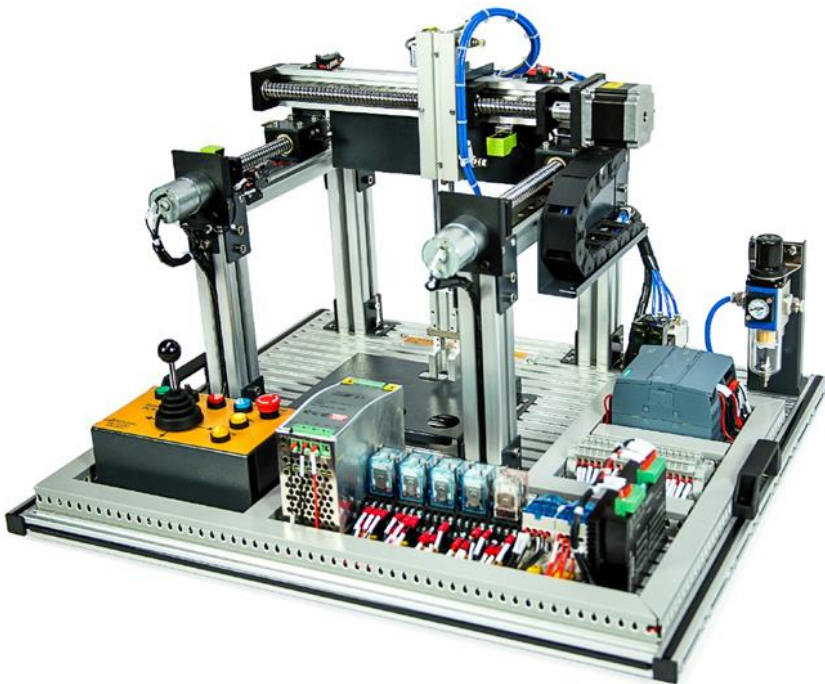




TWO AXIS CARTESIAN ROBOT



Programmable multifunctional controller developed for simulating a Cartesian robot used in industrial environment.

This robot applies the modern mechanical technology, of pneumatics and sensors to allow the student to acquire notions in terms of mechanical design and tracking position technology. It is possible to set the system by means of a modern PLC. In this way the student has the opportunity to interact with the world of the automation.

Technical specifications:

- The Cartesian robot is complete of the following components:
 - A supporting frame made of aluminium for components and devices composing the system
 - Control panel used to manage the system, composed of different switches and a switch to variate the robot position
 - Programmable PLC
 - Two-axis mechanism complete with motors and sensors for tracking position
 - Pneumatic clamp complete with all the components necessary for its operation
- Complete with processing software
- Compressed air system needed for the correct operation of the system
- Power supply: 100÷240 VAC 50/60 Hz

Training objectives:

This equipment allows carrying the following experiments:

- Study of the two-axis mechanism with torque ball screws
- Study and operation of position sensors
- Knowledge of the operating principle of pneumatic components
- Introduction to the control system
- Control of the stepper motor

Order reference code:

It is possible to order this product with two different codes. The code's choice is based on the PLC type to be included with the robot.

DL ROB2X-AB – Robot with PLC Alan Bradley
DL ROB2X-1200 – Robot with PLC Siemens