

NEW

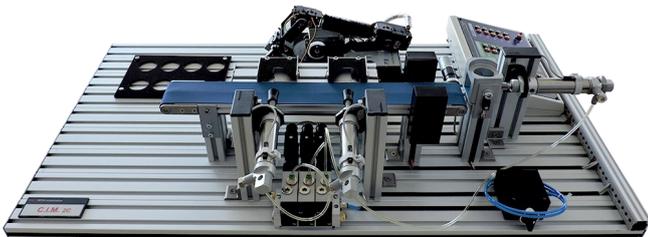
NEW PROJECTS

Bulletin code NP.17.004.ENG

NEW PRODUCT

PT-CIM 2C / PTR-4D

Mechatronics Basic Trainer with Robotic Arm

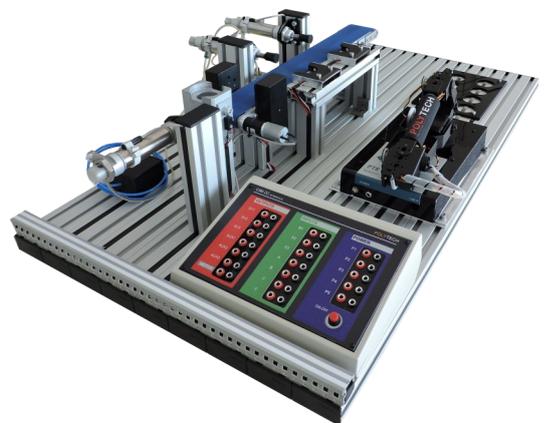
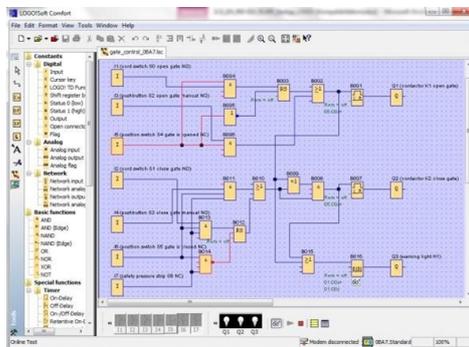


Larissa, 20.10.2017

POLYTECH announces its new product PT-CIM 2C / PTR- 4D, which is included in LHP 302 Automation - Mechatronics lab.

Software advantages:

- * You can develop the process program on your PC.
- * You can simulate the circuit program on your computer and verify its functions before you actually implement it in your system.
- * You can add comments to the circuit program and create hard copies.
- * You can save a copy of your circuit program to the file system on your PC, to make it directly available for modifications.
- * It takes only a few key actions to download the circuit program to the programming software.



The PT-CIM 2C trainer has been designed for students to explore basic Mechatronics processes, one of the most used applications in the industry, while learning on a more advanced level how to program an automation Mechatronics process via PLCs.

This trainer provides a technical background about sequential control of a production process and manufacturing operation.

The main unit in conjunction with the PT-1208 PLC trainer offers the training in control systems for: Feeding, Conveyor Belt Linear Transfer, Shorting – Pick & Place.

The trainer represents a model of an electro-pneumatic production line which includes the following items:

- ◆ 3 cylinder pistons that are actuated by 3 pneumatic solenoid valves. One of the pistons is used in the feeding procedure and the other two for the selection procedure. The trainer comes with an air supply control valve unit and air cleaning filter.
- ◆ 24V bi-directional DC motor.
- ◆ Conveyor belt.
- ◆ 2 Push buttons.
- ◆ 2 lamps, red and green.
- ◆ 3 beam sensors.
- ◆ 12 input and 8 output connections that enable the system to be connected and controlled by the PT-1208 PLC (provided separately) using the provided PLC software and a PC.

Robotics module - PTR 4D



The PT-CIM 2C trainer can be expanded by using the PTR 4D robotic arm module. It provides to the students training in integrating a Robotic operation in the PT-CIM 2C process. The robotic arm operates as a palletizer or feeder to a follow-up process allowing the students to integrate a linear transfer system with a 4 degrees of freedom robotic operation. For more information on this module, please see the PTR 4D section