

ROTARY INDEXING TABLE MODULE

Mod. MCE-570/EV

Mod. MCE-570/EV is composed by a rotary table where the pieces to be identified are placed. A set of three sensors (capacitive, inductive and optical) determines the presence and the material type of the piece. The positions of the rotary table are controlled by a magnetic sensor, while the rotation is managed by a DC motor. There are two free positions for picking up and putting down the pieces.

The module is assembled on a sectioned aluminium base, and it can be easily moved around the laboratory.

Mod. MCE-570/EV can be fully controlled using a PLC module or an Arduino microprocessor. Thanks to the PLC or Arduino programming software, a wide range of exercises regarding the automation of the module in a working cycle or in stand-alone mode can be developed.

TRAINING PROGRAM

- Fundamentals of Electro-pneumatics
- Piece identification systems
- Magnetic sensors
- DC motors
- PLC control
- Microprocessor control

TECHNICAL SPECIFICATIONS

Modular unit assembled on a sectioned aluminium structure. It includes an I/O interface box with Ø 2 mm terminals that, besides working as control board for the module, enables the students to carry out electrical measurements on its components.

The module can be operated using:

- No. 1 PLC training panel mod. PLC-V8/EV, or
- No. 1 Arduino training panel mod. MPC-18/EV

Power supply (24 Vcc) is provided by the PLC itself or using a MPC-18/EV module.



Sensors and actuators:

- No. 1 Optical sensor
- No. 1 Capacitive sensor
- No. 2 Inductive sensors
- No. 1 24 Vdc gear motor

Module inputs and outputs:

- No. 4 Digital inputs
- No. 4 Digital outputs

Dimensions: 320 x 400 x 270 mm

Weight: approx. 6 kg

REQUIRED

UTILITIES (PROVIDED BY THE CUSTOMER)

- Compressed air supply: 5...6 bar

SUPPLIED WITH

THEORETICAL-EXPERIMENTAL HANDBOOK

Presentation of the equipment, experiments, technical specifications with electric and pneumatic diagrams, use and maintenance.

