

## AUTOMATED CAMERA SELECTING MACHINE



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### Experimental capabilities

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- **Production line control (format change, setting, configuration)**
- **Parameterizing of the control vision on software supplied**
- **Settings**
- **Integration of an automatic waste ejection device**
- **Setting of the relative position camera / emitter / piece**
- **Change of format**
- **Replacing of failed components**
- **Functional analysis**
- **Technical analysis**

## Operating principle

The conformity control system by automated camera MLP 345 is integrated in a packaging line corresponding to the MLP range of DIDATEC

It allows to study the operation of a packaging station, and to perform maintenance on.

It can be used in on-line operation, in automatic autonomous-position, or in degraded mode.

It also allows us to study the parameterization / control, the capability to outliers as well as mechanical adjustments and parameterization.

It can either be used in the framework of the learning of industrial electricity, of automation, of the maintenance, and production control on automated systems.

The robust design of this device makes it suitable for use in schools.

The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

The manufacture of this equipment complies with the European standard for machinery manufacturing.

This equipment can be used alone or with other compatible equipment from our range (see last section of this document).

## Technical details

### Chassis :

- A structure support made of aluminum profile
- 2 access doors front and back of the machine (equipped with safety key contact).
- 1 conveyor belt

### Electrical box:

- Integrated on the chassis of the MLP 345
- Circuit breakers and differential
- Module preventa
- Main switch
- 1 display XBTGT
- 1 PLC TWIDO
- 1 variator for conveyor
- Buttons and control switches
- Indicators of machine status

### Operative part:

- A system of ginning cylinders (double cylinder unitary supply ensuring the containers to the post)
- A system of clamping cylinders and of stop with detector type ILS
- Reflex optical detectors for detection of the presence of products at different stages of the process
- Pneumatic distributors
- 1 vision control module with integrated Eprom
- 1 red backlight
- Connecting to the camera via TCP IP

## Services required

- Electrical supply : 230 Vac – 50 Hz
- Compressed air supply: 6-8 bars (dry air)
- Dimensions: (LxWxH mm): 2350 x 800 x 2000
- weight (Kg): 140

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

## Documentation

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Lab exercises
- Configuration files (PLC, controller)
- Software :
- Certificate of conformity CE

# MLP345



## Recommended equipment

- Upstream: pots or bottles capping machine
- Downstream: automatic cartoning
- 6-axis robotic a
- Network supervision Ethernet
- MLP 335
- MLP 500
- MLP 550
- MLP 800