



MAP-200

Handling systems

MAP-206 Handling device using electric actuators

Why MAP-206?

This is an efficient way of becoming familiar with the electric actuators

- Electric actuators are increasingly important in industry.
- It is comprised of components which are widely used in industry.
- It has three electric axes, two of which are servo-controlled.
- It includes an HMI, with built-in PLC.

MAP-207 Handling device allowing parts classification

Why MAP-207?

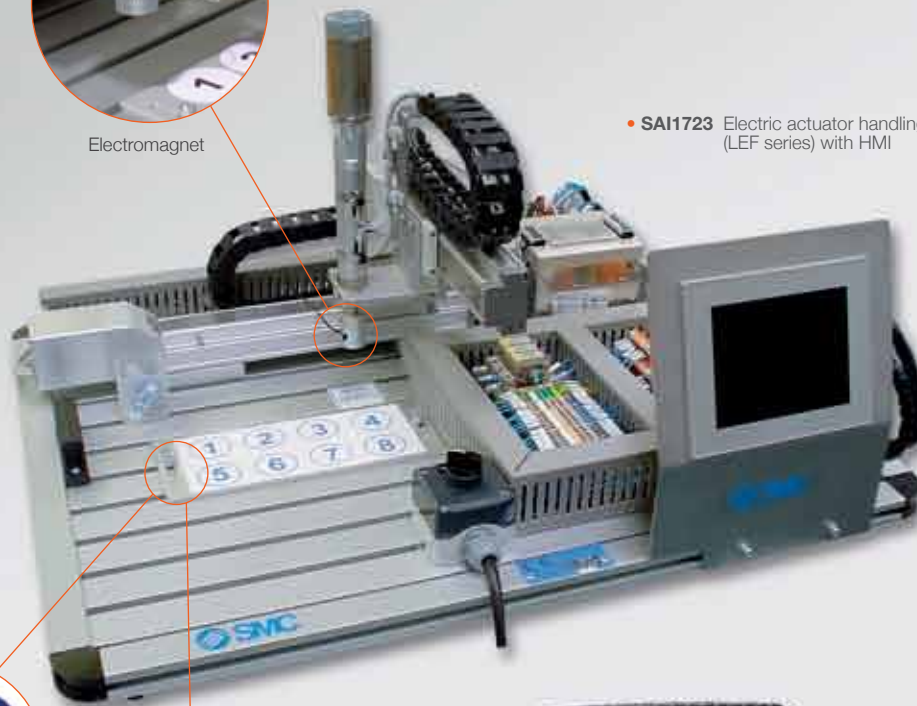
The perfect platform for becoming familiar with the handling of automated classification systems

- It is compact and easy to transport.
- It is comprised of components which are widely used in industry.
- Up to six types of different parts can be classified.
- Flexible design which allows control from a PC or a PLC.



Electromagnet

- **SAI1723** Electric actuator handling device (LEF series) with HMI



Dim. 750x590x400 mm.

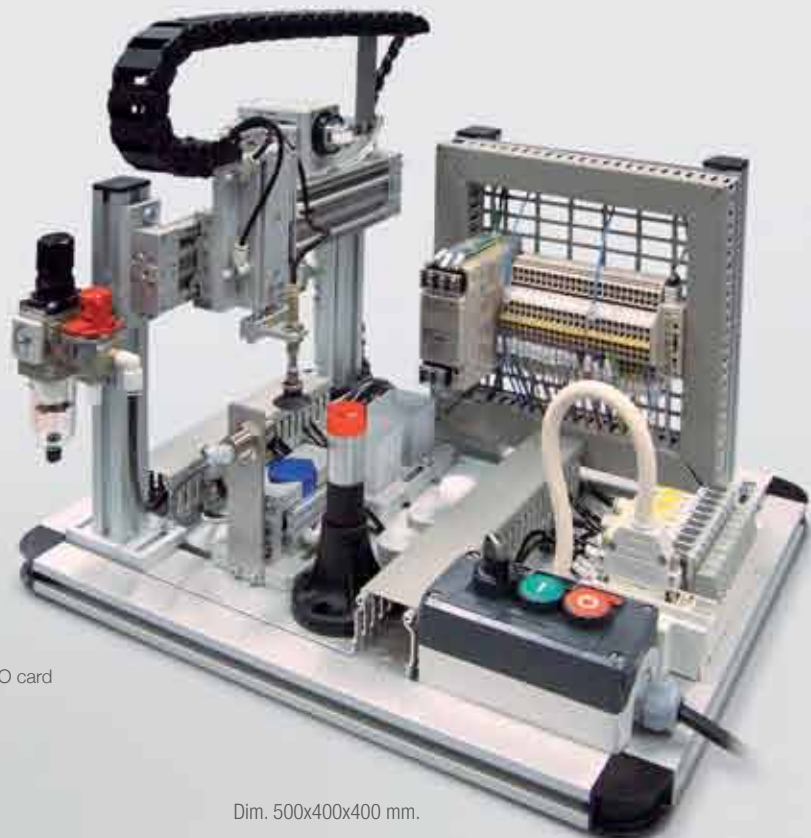


Metal coins



Warehouse

- **SAI1701** MAP-207 Parts classifier
- **SAI1706** MAP-207 Parts classifier with I/O card



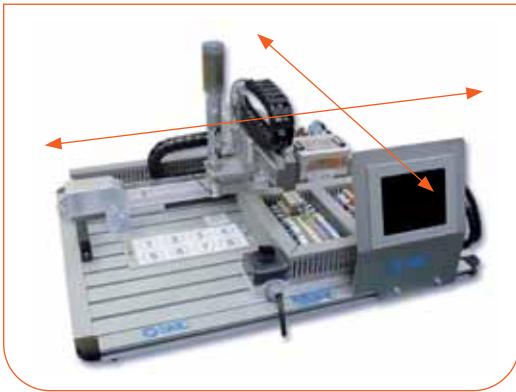
Dim. 500x400x400 mm.



MAP-206

MAP-206 allows performing different handling operations for metal parts.

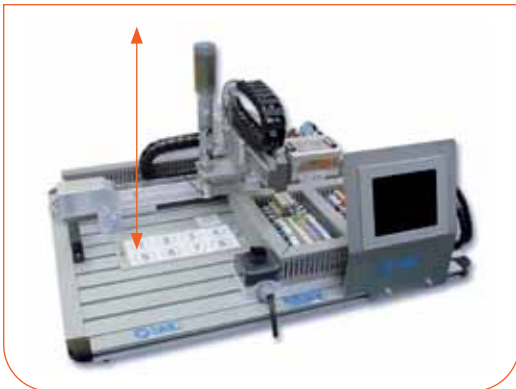
X axis and Y axis



Comprised by two servo-controlled electric Cartesian axes, they allow the handling device to reach any part of the warehouse and even the coin container. They are comprised of:

- 2 motorised electric axes.
- 2 servo-drivers.

Z axis



Z axis is comprised of an electric cylinder driven by a DC motor. This holds the coins in order to leave them in the corresponding location. This includes the following elements:

- Electric cylinder.
- 2 magnetic detectors for the cylinder ends of stroke.
- Electromagnet fixed to the end of the rod for handling the metal coins.

HMI



MAP-206 includes a touch HMI with built-in PLC which allows controlling the system and accessing the different operating modes.

- Operating modes:
 - Manual movement
 - Manual rejection
 - Automatic movement
 - Automatic rejection

MAP-207

MAP-207 performs an automated process of classification and rejection of components made of various materials and sizes. It classifies the largest in different containers and rejects the smallest. It includes:

Sensors



Material inductive detector



Magnetic size detector



Cylinder position detectors



Vacuum switch

Actuators



Rodless cylinder



Double-acting stopper cylinder



Suction pad



Parallel rod cylinder



Pneumatic grippers



Single-acting cylinder

Control

The following diagram shows the different ways in which the MAP-207 can be controlled. From a computer with AUTOSIM-200, or from a PLC.

