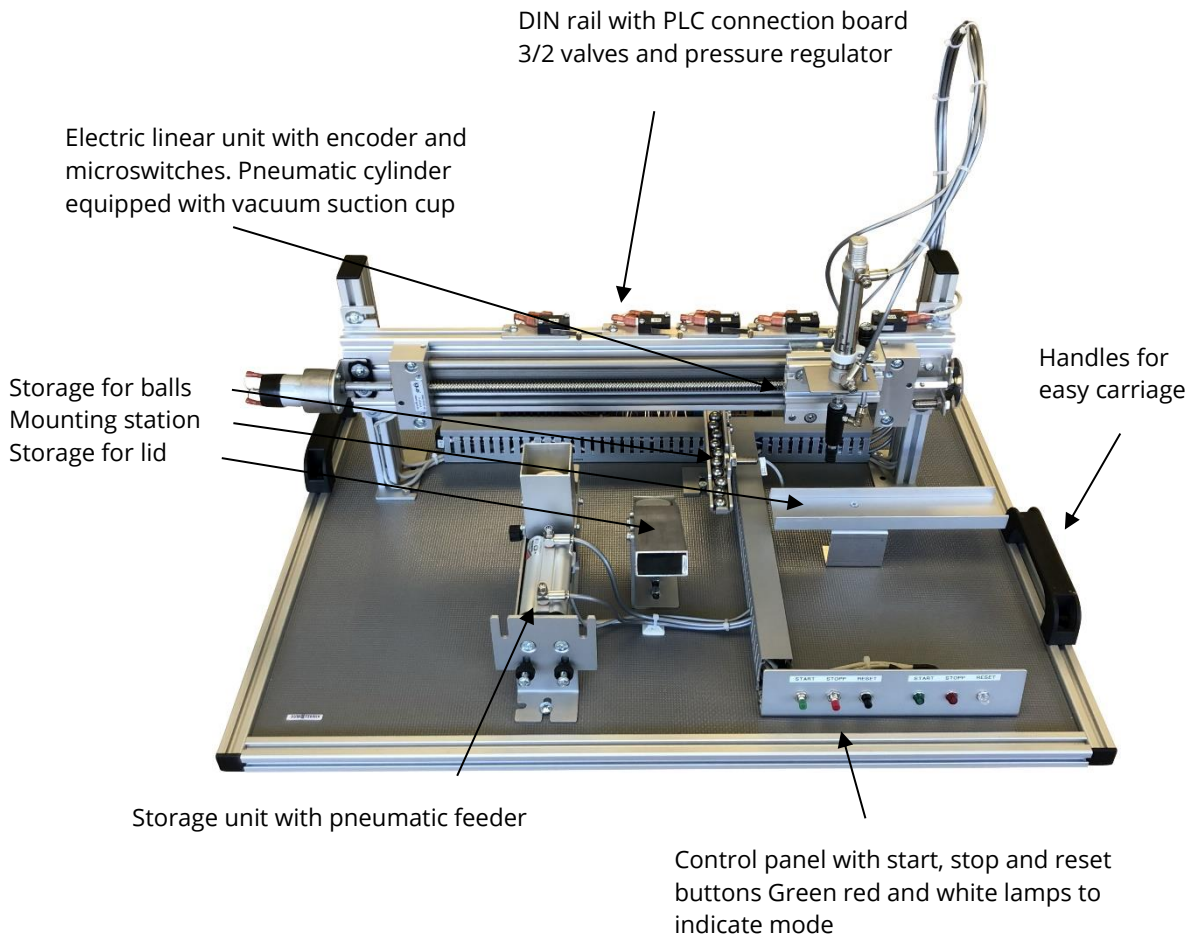


# Training Object™ Assembly

---

Training Object Assembly is a station for training in automation and covers:

- PLC programming
- Basic pneumatics and vacuum
- Sensor technology



Main functions:

1. The linear unit picks a cup from the storage unit. Positions can be handled with micro-switches or the encoder system
2. Linear unit places the cup on the mounting station
3. Programmed number of balls are picked from the ball picking station and placed in the cup
4. The lid for the cup is fetched from the lid storage and placed on top of the cup

The station is supplied with a laboratory book consisting of experiments based upon Siemens S1200 system with TIA portal software. The station can be programmed from any PLC system with 13 inputs and 8 outputs.

## Technical specification:

Size base plate WxHxD	650x30x600mm
Electrical supply	24V DC Included
Electrical motor	24V DC
Pneumatic supply	4mm tube fitting, 3-6 Bar
Pneumatic cylinders	Minicylinder, Compact cylinder, both double acting
Pneumatic valves	3pcs 3/2 valves on manifold. Power cons. 2W-1W
Speed control	Unidirectional flow control valves on cylinders
Vacuum system	Ejector and vacuum suction cup
Connect board for sensors to PLC	6 pcs for DC supply of sensor and signal. PLC wire connection
Connection board for signal from PLC	5pcs wire connection
Sensors	Microswitch, Inductive sensors, Vacuum pressure sensor Cylinder sensor
Article code	TOA-001

## Accessories:

HMI terminal Siemens KTP 700 with switch placed in holder. Cables included



**Art code**      **KTP700-H**

