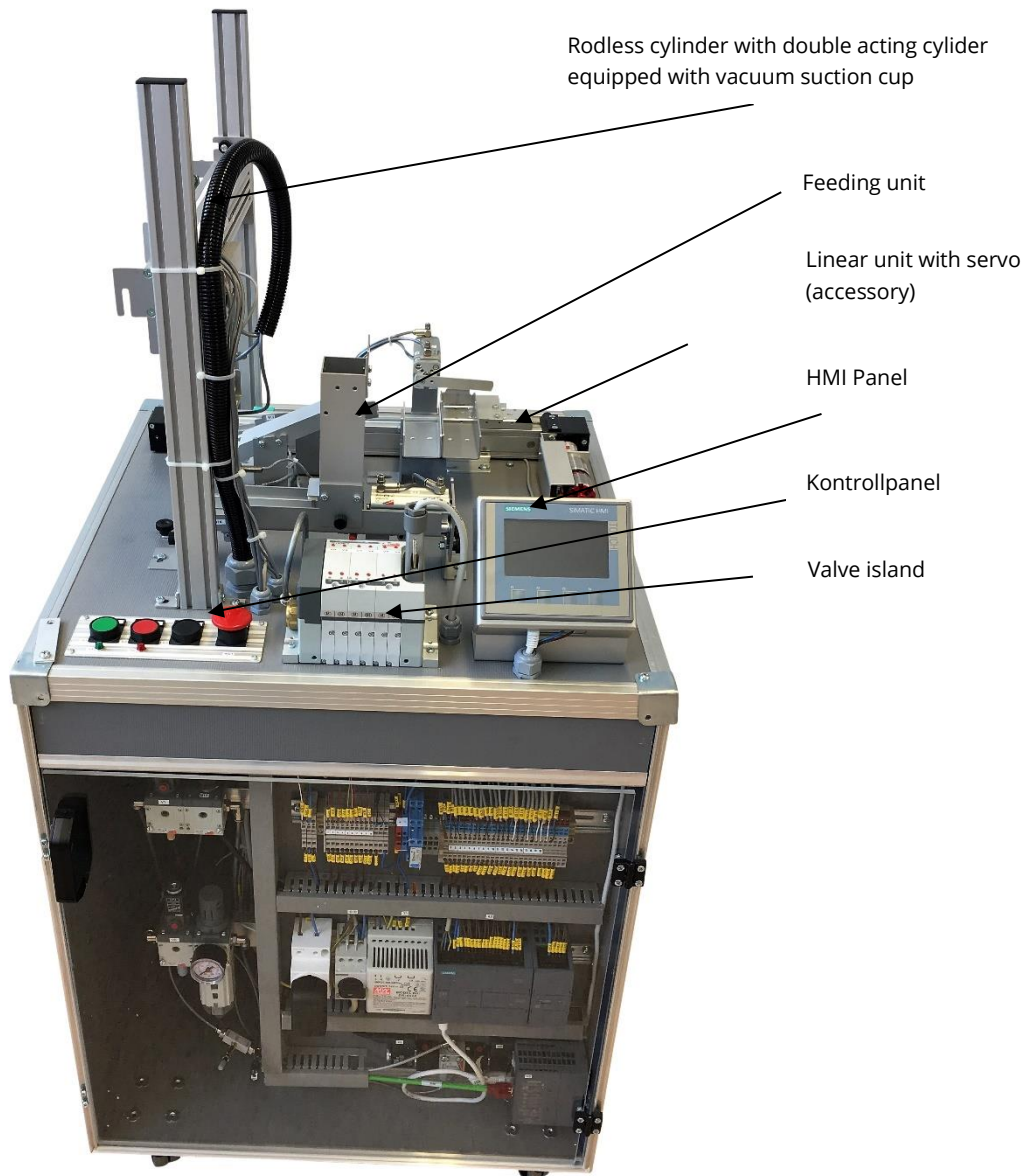


Training Station™ - Assembling

Training Station Assembling is an extensive system for training within the field of automation. The station includes a rodless cylinder equipped with a double acting cylinder with vacuum suction cup for handling objects, a magazine with a feeding cylinder, and a linear unit for positioning and sorting objects.

All components are assembled on a trolley together with a Siemens PLC system, HMI panel and switch for communication. The software TIA portal is used for programming and monitoring of the system. The station is further more equipped with a multipole pneumatic valve island, FRL system, a control panel with start, stop, reset and emergency buttons and wheels for easy transportation. As a complement the station can be equipped with a servo controlled linear unit.

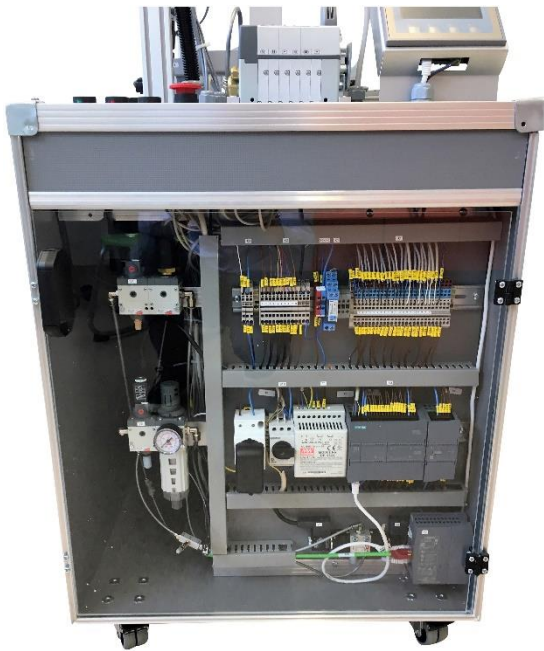
Training Station assembling can be used a single station or can be combined with our other Training Stations such as Identification and ASRS station and put together in different combinations as a complete production line.



The station covers:

- Sensor technology
- Motor control
- PLC programming
- HMI/monitoring system

The control board is placed under the station and includes connection boards, power supply FRL, with soft start valve, PLC and switch. All components are placed behind a robust plexiglass door with handle. Main voltage 230V Ac and compressed air is connected on the backside of the trolley.



Technical specification

Size wxhxd	620x850x670mm
Supply voltage	230V AC
Supply voltage PLC etc	24V DC Included
Electrical wiring	Connection board for input/outputs, relay, on/off switch
Electrical motor	24VDC 340mA
Servo system	Servomotor with integrated controller
Pneumatic supply	6mm tube fitting, Working pressure 4-6 Bar
Pneumatic cylinders	Compact 3pcs rodless cylinder
Vacuum	Ejector and vacuum suction cup
FRL system	On/Off, soft start valve, Filterregulator
Pneumatic valves	Valve island incl. 6 5/2 valves, separate 5/2 valve
Sensors	Optical, ultrasonic, Inductive, Pressure, Vacuum and Cylinder sensors
PLC System	Siemens S71214 with switch and analog unit
HMI System	Siemens KTP400