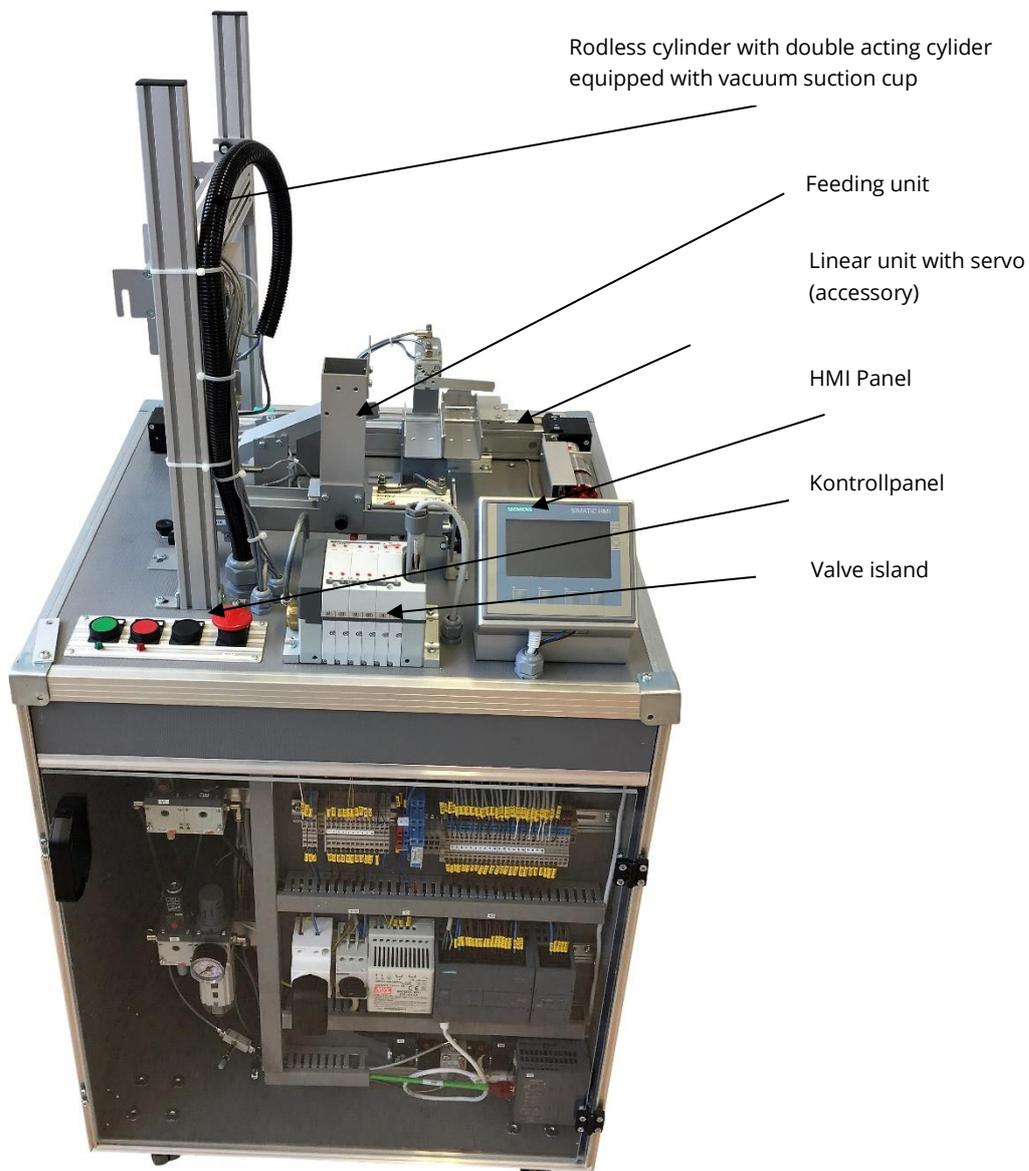


# Training Station™ - Assembling

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, 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.

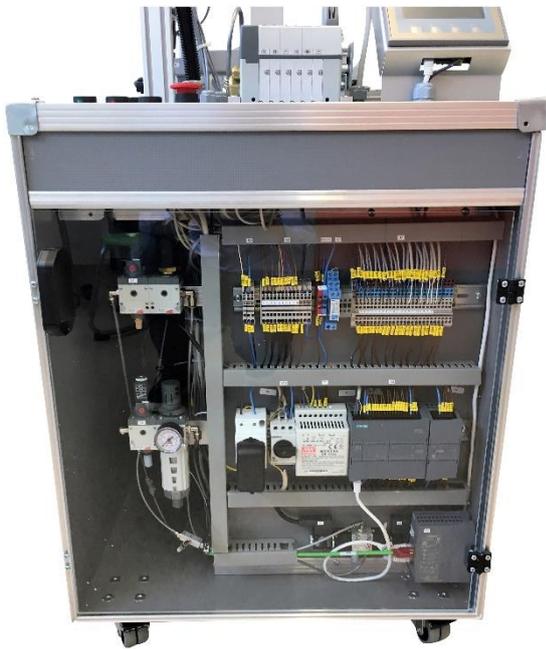


---

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