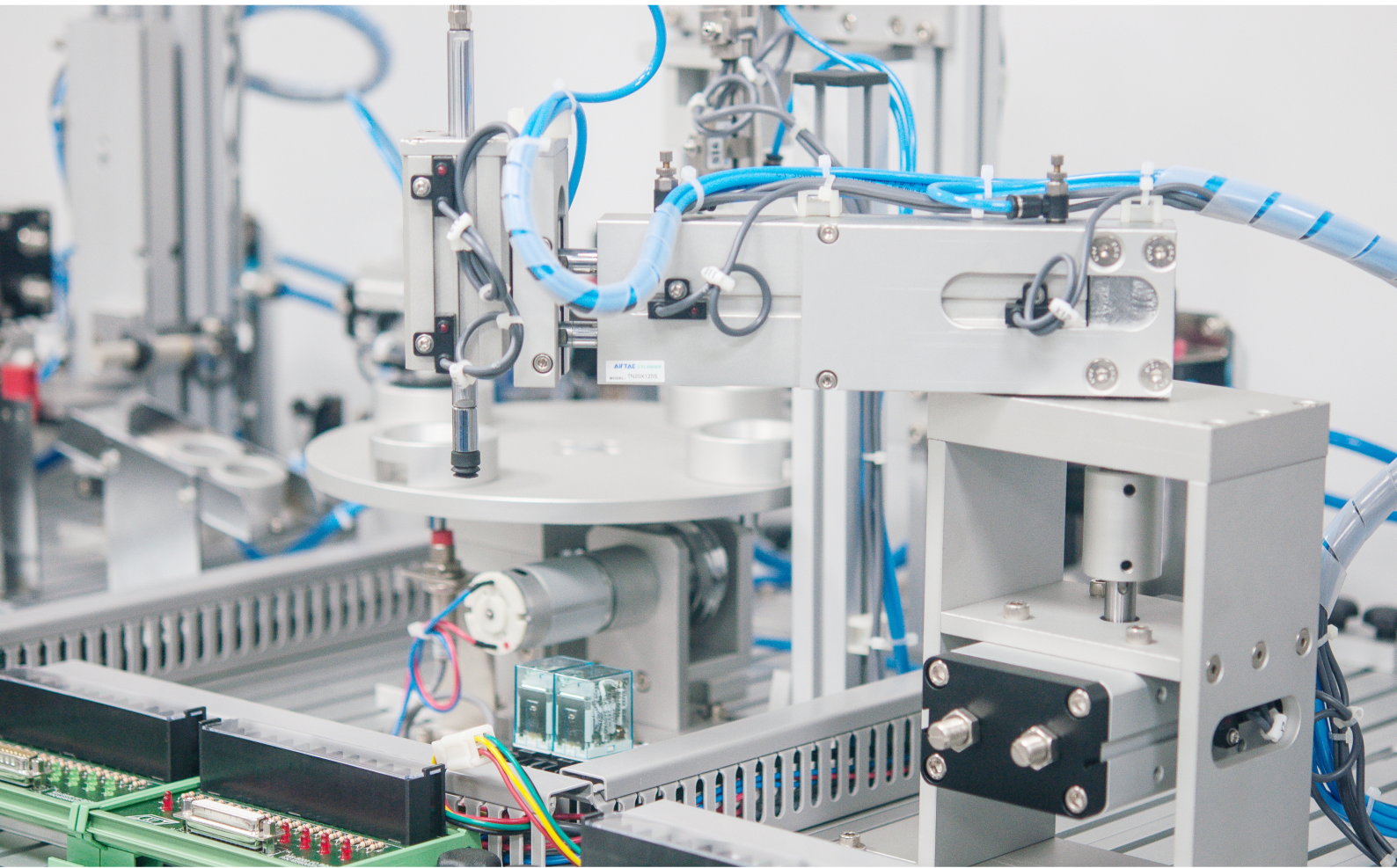
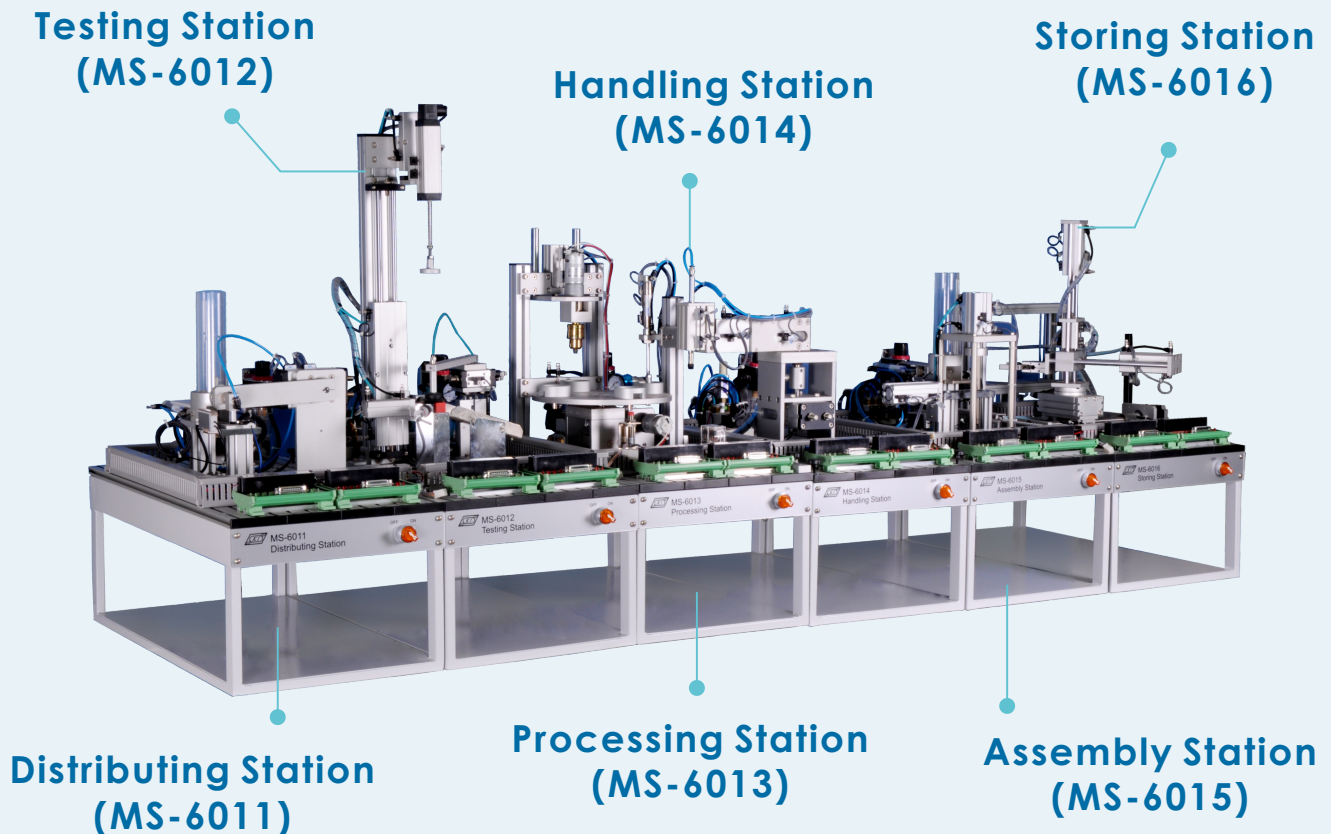




MS-6200/MS-6500/MS-6600 Mechatronics Training System

Mechatronics is a multidisciplinary field of engineering. It is a combination of mechanical, electrical, communications, control and computer science technologies. Mechatronic systems normally adopt microcomputers to ensure smooth functioning and higher reliability.

MS-6200/MS-6500/MS-6600 are mechatronics training systems with modular design. The system includes distributing, testing, processing, handling, assembling, and storing stations. Each station can be operated separately or linked as a system to simulate real production processes.



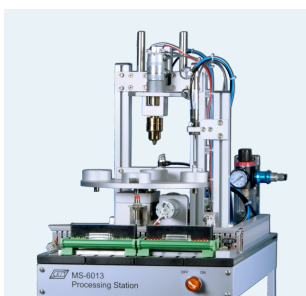
Distributing Station(MS-6011)

Modular design, Distributing Station is divided into several modules and each module is equipped with dedicated terminal board for wiring. It is easy to assemble and disassemble.



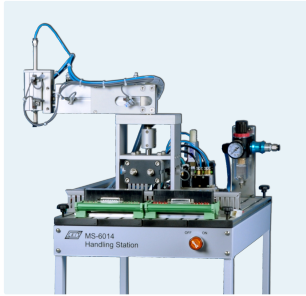
Testing Station(MS-6012)

Testing Station consists of a potentiometer drive cylinder, R-axis cylinder, lift cylinder, push cylinder, Z-axis cylinder, a vacuum generator and workpiece sorting sensors.



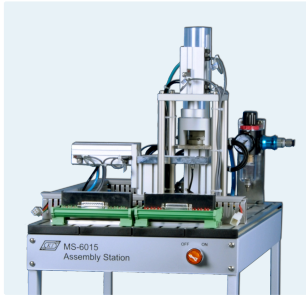
Processing Station(MS-6013)

Processing Station consists of the rotary index table, checker drive cylinder, drill feed cylinder, the drill spindle drive actuator, and the clamp cylinder.



Handling Station(MS-6014)

Handling Station consists of Z-axis cylinder, Y-axis cylinder, R-axis cylinder, and vacuum generator.



Assembly Station(MS-6015)

Assembly station consists of the press cylinder, transfer push cylinder, and the mating parts feed cylinder.

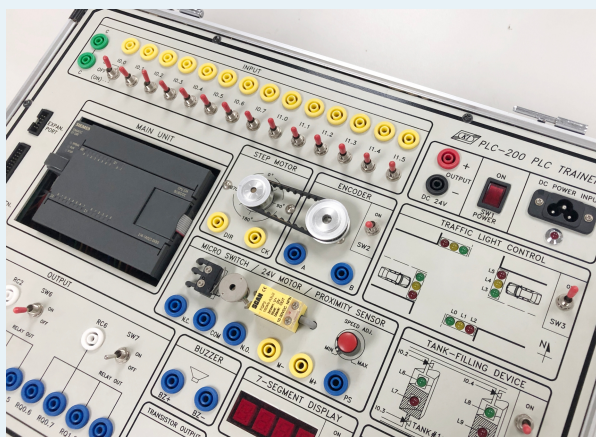


Storing Station(MS-6016)

Storing Station consists of the upper and lower Z-axis cylinders, Y-axis cylinder, R-axis cylinder, gripper, the step motor and the slide base.

PLC (Programmable Logic Controller)

There are three kinds of PLC trainers available for selection in the system for users to learn different PLC controls.



PLC-200 Trainer (for MS-6200)

Main unit : SIEMENS S7-200

Digital input : 14 points

Digital output : 10 points

The S7-200 series of micro-programmable logic controllers (Micro PLCs) can control a wide variety of devices to support your automation needs. The S7-200 monitors inputs and changes outputs as controlled by the user program, which can include Boolean logic, counting, timing, complex math operations, and communications with other intelligent devices. The compact design, flexible configuration, and powerful instruction set combine to make the S7-200 a perfect solution for controlling a wide variety of applications.



PLC-220 Trainer (for MS-6500)

Main unit : SIMATIC S7-1200

Digital input : 14 points

Digital output : 10 points

Analog input : 2 points

SIMATIC S7-1200 Basic Controllers are the ideal choice when it comes to performing automation tasks in the low to mid-performance range with maximum flexibility and efficiency. They deliver convincing results thanks to their comprehensive range of technological functions and integrated I/Os, as well as their compact, space-saving design. Due to standardized remote control protocols, you can connect SIMATIC S7-1200 controllers directly to your control center without any programming effort.

PLC-310 Trainer (for MS-6600)

Main unit : MITSUBISHI FX_{3UC}-32MT

Digital input : 16 points

Digital output : 16 points

USB-422 cable



The FX Series is renowned for its speed, capacity, performance and extensive features. Integrated with many features including analog, communication, Ethernet, and positioning, the FX3 Series realizes high-performance in many different applications.