



Mechatronics Trainer

Equipment Overview

- This trainer is suitable for the teaching and training of courses such as electromechanical equipment installation and maintenance, electromechanical technology application, electric operation and control, electrical technology application, PLC technology and so on.
- It is mainly composed of training bench, mechanical components and parts, PLC module, frequency converter module, button module, power supply module, production simulation module, terminal block, sensors, etc. The whole structure is designed with open and collapsible characteristic.
- The production simulation module consists of revolving stockpiling unit, loading detection unit, manipulator handling unit, belt type material delivery unit, material detection unit, sorting and storage unit, etc.
- The training table top is made of high strength and density plate, which is insulated and heat resisting.
- Safety protections: grounded, lead protection, safety in accordance with related standards. Insulated safety sockets, sheathed cables and wires.



Training Content

- Automatic detection technology application
- Pneumatic technology application
- Programmable logic controller programming
- Electrical control circuit application
- Frequency converter application
- Automatic control technology application
- Mechanical system installation and debugging
- System maintenance and troubleshooting

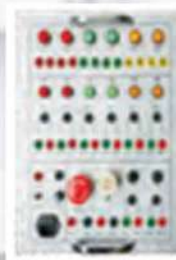
Technical Parameters

1. AC power supply: AC 380V/220V, 50Hz
2. Temperature: -10~40°C, Below RH 90%
3. Overall power consumption: ≤1.0 kVA
4. Dimensions: 1400mm × 740mm × 1300mm (approx.)
5. Accessories: Terminal blocks/workpieces/safety plug wires, air tubes/multi-layer alarm lamp
6. Air compressor

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

Button/Switch/Indicator module



1. Switching power supply
2. Scram button/reset button/self-locking button
3. Changeover switch
4. Buzzer
5. 24V indicator/power indicator
6. AC 220V power input socket
7. Fuse protector

Frequency converter module



1. Applicable motor capacity 0.75kW
2. On board R, S input
3. U, V, W output
4. Source input common port
5. Forward/reverse
6. High/medium/low speed