

Product Name :
Robot Training Bench with 3 Kg Load

Product Code :
POL-ROB0001



Description :

Robot Training Bench with 3 Kg Load

Technical Specification :

Robot function analysis
Displacement technology and motion analysis
Operational software analysis (replacement algorithm, self-forming...)
Robotic equipment in industrial environments
Electrical operation of the robot
Program and control the station via software via PC, which can track the displacement of the robot, coordinate extraction and detection of working areas and singular points
Technical specification
The manipulator is made of aluminum alloy and covered with elastic material
6 motion axes, each with high precision management by digital servo axes and greater freedom of motion to minimize cycle time
a set of communication ports (USB, sensors, actuators, PLCs or other systems)
Industrial network connection (Ethernet, USB, etc.)
Connect to PC via programming cable
programming software
Multi-function control panel with 7-inch touch screen with sufficient communication protocol with the required PLC
PLC:
24 VDC power supply
CPU: Siemens 1200 series, support for loading memory
Network connection (Ethernet, Profibus or other)

14 digital inputs 24VDC with LED simulation
10 digital outputs 24 VDC / 0.5A, with live isolation and short circuit protection
02 analog input
01 analog output
connecting cables
Training unit for robot practical application (manufacturing, assembly, classification...)
set
power supply with short circuit protection
This workstation allows the following basic principles to be disclosed:
Robot manipulation
Assembly, classification...
PLC operation
And supply:
computer
Robot programming software (simple and advanced, specifically for robotics applications) allows for the development of many activities and exercises
Graphical interface for programming robots
Multi-user PLC programming software (required language)
Supervise multiple users and allow them to learn HMI technology
Connection: PC / PLC, HMI / PLC, PC / HMI
Complete set of accessories, cables, spare parts...



Engineering Lab China