

**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)

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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**