

Various SCARA robot product line



P series Desktop-mounted SCARA Robot

The "cost-effective" horizontally mounted robot features high speed, high precision, and stable and reliable quality. It is the best product for robotic replacement and an ideal alternative to modular and Cartesian robots.

						
P3	P6	P10	P20	P40	P60	P100
Payload Rated 1kg / Maximum 3kg Arm length 400mm	Payload Rated 2kg / Maximum 6kg Arm length 500 600 700mm	Payload Rated 5kg / Maximum 10kg Arm length 600 700 800mm	Payload Rated 10kg /Maximum 20kg Arm length 800 900 1000mm	Payload Rated 10kg / Maximum 20kg Arm length 800 900 1000mm	Payload Rated 60kg /Maximum 100kg Arm length 1200mm	Payload Rated 60kg / Maximum 100kg Arm length 1200mm

Robot Controller

Abundant device interfaces, designed for the expansion of specialized four-axis robotic arms

MRC-100



External Dimensions:
L217mm * W237mm * H125mm

Maximum number of control axes	4-axis
Supported robot models	P3/P6/P10/P20/P40
Types of exercise	PTP (Point-To-Point) mode CP (Continuous Path) mode
IO	Input: 16 (standard) Output: 16 (standard)
Interface configuration	EtherCAT(network port)*1 EtherNet(network port)*1 CAN/RS485(network port)*1、USB2.0*1 RS232/485(serial port)*1 safety door interface*1
Communication protocol (standard)	EtherNet/IP(Slave)、EtherCAT(Master) ModBus - TCP/RTU(Master/Slave) TCP/IP、Mitsubishi PLC-MC Protocol (Slave)
Communication protocol (Expansion)	PROFINET(Master Station) - Additional gateway module required

Rated capacity	Maximum input power 4kW The actual rated capacity depends on the type, motion and load of the robotic arm P3 : 0.8 Kw E4 : 1.1 Kw P6/R6 : 1.2 Kw P10 : 2.4 Kw P20/P40/E10 : 2.65 Kw
Input voltage	220V AC ±10%
frequency	50Hz
noise	50dB
Installation and Usage Environment	Indoor installation (avoid direct sunlight), free from corrosive gases (avoid oil fumes, flammable gases, and fine dust); Ambient temperature 5-45°C (if exceeding 45°C or above, enforce surrounding air circulation)
Net weight of controller	6KG

Extensive device interfaces, intended for the expansion of heavy-duty robotic arm specialized machines

MRC-200

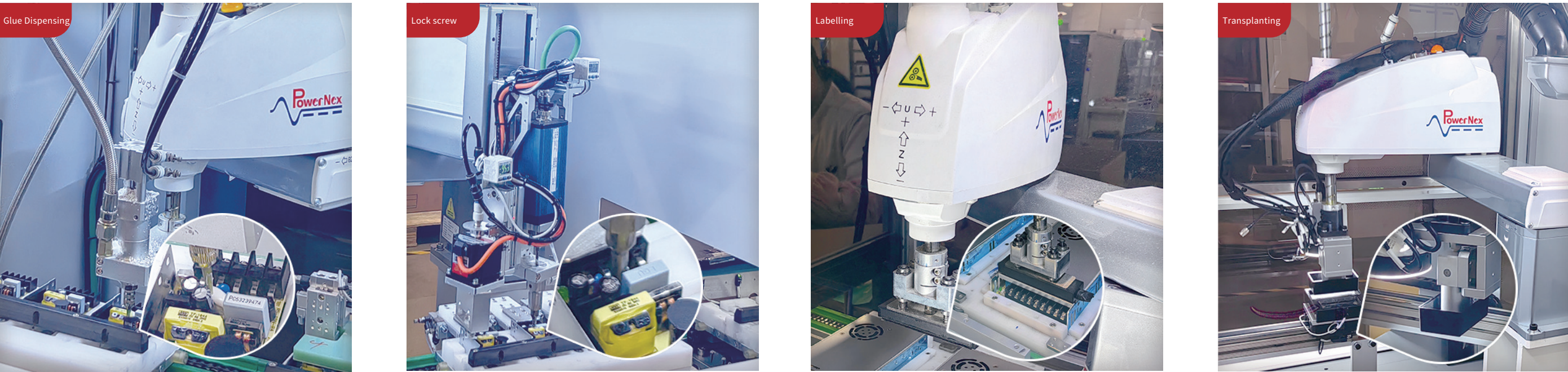


External Dimensions:
L217mm * W237mm * H180mm

Maximum number of control axes	4-axis
Supported robot models	P60-1004S/P60-1204S P100-1204S
Types of exercise	PTP (Point-To-Point) mode CP (Continuous Path) mode
IO	Input: 16 (standard) Output: 16 (standard)
Interface configuration	EtherCAT(network port)*1 EtherNet(network port)*1 CAN/RS485(network port)*1、USB2.0*1 RS232/485(serial port)*1 safety door interface*1
Communication protocol (standard)	EtherNet/IP(Slave)、EtherCAT(Master) ModBus - TCP/RTU(Master/Slave) TCP/IP、Mitsubishi PLC-MC Protocol (Slave)
Communication protocol (Expansion)	PROFINET(Master Station) - Additional gateway module required

Rated capacity	Maximum input power 7.5kW The actual rated capacity depends on the type, motion and load of the robotic arm P60/P100 : 4.6 Kw
Input voltage	220V AC ±10% / 380V AC ±5%
frequency	50Hz
noise	50dB
Installation and Usage Environment	Indoor installation (avoid direct sunlight), free from corrosive gases (avoid oil fumes, flammable gases, and fine dust); Ambient temperature 5-45°C (if exceeding 45°C or above, enforce surrounding air circulation)
Net weight of controller	9KG

Practical application cases of robots



Precision Assembly



Loading And Unloading



Lock screw



Weld



Package



Glue Dispensing



Labelling



Stacking



More Information