

 Precision

Industrial Automation



SCARA Robot

PowerNex's SCARA (Selective Compliance Assembly Robot Arm) robot combines aesthetics and engineering application design that can be flexibly used in the production line with its compact size. It adopts components and accessories of well-known brands like Japan Lion and Nidec Drive Technology Corp.

It has high-cost performance with the precision of $\pm 0.01\text{mm}$, which can satisfy the complex requirements in Automation production filed. This product is suitable for automatic production lines such as assembly, robotic dispensing, screw locking, labeling, welding, handling, visual modules...etc., and it is widely used in industries for 3C, lithium battery, new energy and various components.

Features

- Low profile and the space is saved by 15%, which is conducive to the layout and installation of the production line
- Maximum payload of 20 kg; optional arm length of 400-1000 mm, customization supported
- Valuable prices with supreme product quality
- Rich and complete user interface, flexibly to match with other devices

Part No.	Photo	Operating Range	Payload
PSWA-P3-401S		Arm length: 400 mm Joint#3 stock: 150 mm	Rated 1kg / Maximum 3kg
PSWA-P6-602S		Arm length: 600 mm Joint#3 stock: 200 mm	Rated 2kg / Maximum 6kg
PSWA-P6-702S		Arm length: 700 mm Joint#3 stock: 200 mm	Rated 2kg / Maximum 6kg

Part No.	Photo	Operating Range	Payload
PSWA-P10-602S		Arm length: 600 mm Joint#3 stock: 200 mm	Rated 5kg / Maximum 10kg
PSWA-P10-702S		Arm length: 700 mm Joint#3 stock: 200 mm	Rated 5kg / Maximum 10kg
PSWA-P10-802S		Arm length: 800 mm Joint#3 stock: 200 mm	Rated 5kg / Maximum 10kg
PSWA-P20-804S		Arm length: 800 mm Joint#3 stock: 420 mm	Rated 10kg / Maximum 20kg
PSWA-P20-904S		Arm length: 900 mm Joint#3 stock: 420 mm	Rated 10kg / Maximum 20kg
PSWA-P20-1004S		Arm length: 1000 mm Joint#3 stock: 420 mm	Rated 10kg / Maximum 20kg