
COLLABORATIVE ROBOT



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SAFE



FLEXIBLE



EASY USE

SIASUN

COLLABORATIVE ROBOT

The SIASUN Collaborative Robot is the first domestic, 7 degree-of-freedom anthropomorphic robot. It is easy to configure, can be trained, and has a visual guidance system, collision detection, and other abilities. This product is perfect for use in production lines with limited space and high accuracy requirements. It can be used for precision assembly, product packaging, polishing, testing,

machine loading and unloading, and other industrial operations. The robot's key product features are its high degrees of flexibility, precision, and safety. This product will create an all-new industrial production method, leading the way for a new era of cooperation between humans and machines.

PRODUCT FEATURES

Application Industries

Automotive, 3C Electronic, Food and Beverage, Medicine and Health Care, Logistics Storage, etc.

Application Areas

Assembly, Sorting, Loading & Unloading, Moving, Packaging, Stacking, etc.

01 SAFE



Collision Detection

Safer design, no security fence needed.



Collaborative characteristics

Designed with no sharp edge, more user friendly.

02 FLEXIBLE



Fast Set-up

Easy to install/uninstall. Extremely suitable for frequently changed production lines.



Lightweight Design

Lightweight design. Small footprint. The robot can be configured quickly according to the adjustment of the production line;



Various Postures

Designed with redundant axis. Robot can have more posture.



High Precision

Repeated positioning accuracy: $\pm 0.02\text{mm}$

03 EASY USE



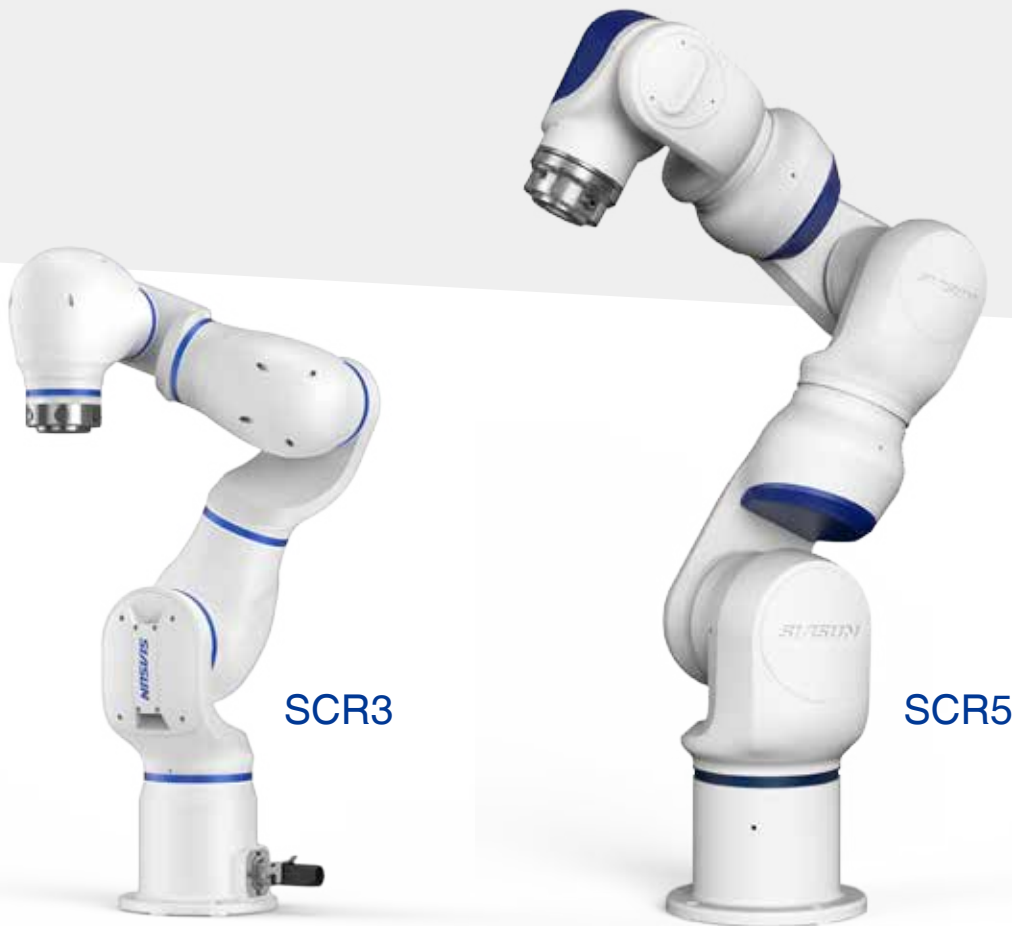
Be guided by demonstration

Traction teach available, operate with graphic user interface, easy to program



Visual Identification

Vision guide system (at the flange) is optional.



SCR3

SCR5

PRODUCT SPECIFICATIONS

MODEL	SCR3	SCR5
Payload	3kg	5kg
Weight	18kg	33.8kg
Range of Motion	600mm	800mm
Repeatability	±0.02mm	±0.02mm
Degrees of Freedom	7	7
TCP Max Speed	0.8m/s	1m/s
IP Classification	IP54	IP54
Operating Temperature	0°C -40°C	0°C -40°C
Cabinet Size	500mmx460mmx190mm	500mmx460mmx190mm
I/O	Cabinet: 6 Dig I/O, 24V, 1A Mounting Flange: 2 Dig I/O, 24V, 1A	Cabinet: 6 Dig I/O, 24V, 1A Mounting Flange: 2 Dig I/O, 24V, 1A
Power Supply	230VAC, 50-60Hz	230VAC, 50-60Hz
Power Consumption	Typical 100W	Typical 400W



COMPANY INFORMATION

SIASUN Co. Ltd. (stock code 300024), a member of the Chinese Academy of Sciences, is a creator of high-end digital equipment, with robotics and automation at its core. Since being listed on the market in 2009, the company has entered a new strategic development period. In addition to the group company headquarters, SIASUN has founded a headquarters for international business in Shanghai and established wholly own subsidiaries in Shenyang, Beijing, Qingdao, Shanghai, and Hangzhou.

The international branch of SIASUN, located in Shanghai, is a headquarters for research and production and was formally registered in 2014. This branch of SIASUN is an efficient and practical robotics R&D center, which focuses on innovation and development using highly advanced technology from many scientific research institutes. Besides the line of robotics products that have already entered the market, SIASUN also provides customized robots according to end users' needs.

SIASUN's long-term goal is to work together with core components providers and downstream industry users to make the robotics industry even more beautiful and prosperous.



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