

SCR Series Cobot

SCR系列协作机器人

SCR系列协作机器人具备快速配置、拖拽示教、碰撞检测等功能，适用于布局紧凑、精准度高的柔性化生产线，满足精密装配、产品包装、打磨、检测、机床上下料等工业操作需要。其高灵活性、高精度度和高安全性的产品特征，将开拓新的工业生产方式，步入人机协作新时代。

SCR series Cobot has various functions such as rapid configuration, traction teaching and collision detection. It is particularly suitable for flexible production lines with compact layout and high precision to conduct precision assembly, product packaging, polishing, testing, machine loading and unloading and other industrial operations. S I ASUN Collaborative Robot, with its high flexibility, precision, and safety, will open up a brand new way of industrial production and lead the new era of human-machine collaboration.

产品特性 | PRODUCT FEATURES



七自由度，丰富姿态适应狭小空间，更灵活

More Flexible: With 7 degrees of freedom, the robot can work well in compact space.



碰撞检测功能，人机协同作业，更安全

Safer: Collision Detection Function enables HRC.



拖拽示教式编程，降低使用门槛，易操控

Easier-to-use: With Traction Teach Programming, the robot can be used by anyone without technical skills.



重复定位精度 $\pm 0.02\text{mm}$ ，更可靠

More Accurate: Repeatability up to $\pm 0.02\text{mm}$.



能耗低至250W，低碳更经济

Economic Efficient: Power Consumption 250W



SCR3

SCR5

技术参数 | TECHNICAL PARAMETERS



SCR3



SCR5

最大负载 Max Payload	3kg	5kg (5.5kg ^{*1})
自由度 Degrees of Freedom	7	7
末端最大速度 Max TCP Speed	2.5m/s	2.0m/s
末端最大直线速度 Max Straight-line Speed	1.0m/s	1.0m/s
有效工作半径 Reach	600mm	800mm
重复定位精度 Repeatability	±0.02mm (GB/T 12642-2013 eqv ISO 9283)	±0.02mm (GB/T 12642-2013 eqv ISO 9283)
工具接口 Tool Interface	GB/T 14468.1-50-4-M6 (eqv ISO 9409-1)	GB/T 14468.1-50-4-M6 (eqv ISO 9409-1)
I/O	控制柜 Control Box I/O	14 Dig I/O, 24V, 0.5A
	末端 End Joint I/O	2 Dig I/O, 24V, 1A
电源 Power Supply	230VAC(-15%~+10%), 50-60Hz	230VAC(-15%~+10%), 50-60Hz
功耗 Power Consumption	典型工况约 250W Typical Power Consumption 250W	典型工况约 400W Typical Power Consumption 400W
机器人外形尺寸 Robot Dimensions	1035mm x 232mm x 202 mm	1285mm x 220mm x 240 mm
控制柜尺寸 Control Box Size	530mmx480mmx180mm	530mm x 480mm x 180mm
安装方式 Installation	置地式、倒挂式、悬臂式 Installed in any Direction	置地式、倒挂式、悬臂式 Installed in any Direction
环境温度 Ambient Temperature Range	0°C - 45°C	0°C - 45°C
存储温度 Storage Temperature Range	-40°C ~55°C	-40°C - 55°C
IP等级 IP Class	IP54	IP54
噪声 Noise	≤ 75dB(A)	≤ 75dB(A)
通讯方式 Communication Protocol	TCP/IP, MODBUS/TCP,支持多种通讯协议拓展 Support Various Communication Protocols Expansion	TCP/IP, MODBUS/TCP,支持多种通讯协议拓展 Support Various Communication Protocols Expansion
包装信息 Package Information	机器人包装箱 Robot	尺寸Size: 735mm x 635mm x 350mm 净重/毛重Net/Gross Weight: 18.6kg/24.5kg
	控制系统包装箱 Control System	尺寸Size:735mm x 635mm x 350mm 净重/毛重 Net/Gross Weight: 20.5kg/29kg



SIASUN CO., LTD. / 中科新松有限公司
Add: No.257 Jinzang Rd., Pudong New District, Shanghai
上海市浦东新区金藏路257号 SIASUN ROBOT HUB
T: +86 021-50870608
E: service.in@siasun.com
W: www.siasun-in.com

*1.在一定工况下,机器人负载可以达到5.5kg,如负载有需要提高至此,请联系我们。

*1.On certain conditions,Robot max payload is able to be 5.5kg, please contact us if needed.