SIASUN 新松

# 工业机器人产品手册

## Industrial Robot + Product Manual




SIASUN

www.siasun.com

新松机器人自动化股份有限公司
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新松服务号

新松订阅号

# ENTERPRISE 公司介绍
# INTRODUCTION

沈阳新松机器人自动化股份有限公司（以下简称“新松”）成立于2000年，是一家以机器人技术和智能制造解决方案为核心的高科技上市公司。新松拥有4000余人的研发创新团队，坚持走自主创新之路，完成国家重要科技攻关800余项，拥有发明专利1300余项，书写了中国机器人发展史上百余项“行业首创”！

作为国家机器人产业化基地，新松以智能制造为业务主攻方向，为产业升级提供全体系核心支撑，打造了以自主核心技术、核心零部件、核心产品及行业系统解决方案为一体的全产业价值链。新松拥有自主知识产权的工业机器人、移动机器人、特种机器人三大类核心产品，以及搭载自动化、柔韧自动化、物流自动化三大应用技术方向，同时面临国家战略方向持续孵化培兴业务，形成半导体装备、协作机器人、智慧城市、智慧康养等N+个战略行业产业，构建了健康科学可持续的产业体系。

立足中国，服务世界！新松本部位于沈阳，在沈阳、上海、青岛、天津、无锡等国内多个经济热点城市建有产业园区。同时积极布局国际市场，在韩国、新加坡、泰国、马来西亚、德国等多地设立海外分子公司及区域中心，在海外拥有专业的项目工程团队和先进的研发生产基地，实现海外项目本地化实施及服务，产品已累计出口全球40多个国家和地区，为4000余家国际企业提供产业升级服务，与多家世界500强企业建立深度合作关系，规模化客户群体占比高达2/3！

肩负着“机器人让世界更美好”的神圣使命，新松将在新时代新征程上守正创新、拼搏奋进，永保“中国速度”，永创“中国水平”，剑指行业领先，争创世界一流！

SIASUN Robot & Automation Co., Ltd. (hereinafter referred to as "SIASUN"), established in the year of 2000, which is a high-tech listed enterprise with robotic technology and intelligent manufacturing solutions as the core. SIASUN has a R&D and innovation team of more than 4,000 talents. SIASUN insists on the road of independent innovation. SIASUN has completed more than 800 national important scientific and technological research projects, and has more than 1,300 invention patents. SIASUN has written more than 100 "industry initiatives" in the history of Chinese robot development!

As a National Engineering Center on Robotic, SIASUN takes intelligent manufacturing as its main business direction, provides the core support of the whole system for industrial upgrading, and creates the whole industry value chain consists of core technology, core components, leading products, and industry solutions. SIASUN has three core products of industrial robots, mobile robots, and special robots with independent intellectual property rights, and three application technology directions of welding automation, assembly automation, and logistics automation. At the same time, SIASUN continues to incubate emerging businesses around the national strategic direction, forming multiple strategic industries such as semiconductor equipment, collaborative robots, smart cities, and smart health care, and building a healthy, scientific, and sustainable industrial system.

Based in China, serve the world! SIASUN group HQ locates in Shenyang, and has industrial parks in Shenyang, Shanghai, Qingdao, Tianjin, Wuxi and other domestic economic hot spot cities. On the other hand, SIASUN actively deploying the international market, and has established overseas subsidiaries and regional centers in South Korea, Singapore, Thailand, Malaysia, Germany and other places. SIASUN has professional project engineering teams and advanced R&D and production bases overseas to realize localized implementation and services for overseas projects. Products have been exported to more than 40 countries and regions around the world, providing industrial upgrading services for more than 4,000 international companies, and establishing in-depth cooperation with many Fortune 500 enterprises, and the proportion of scale customer groups is nearly 70%!

With the sacred mission of "Robots make a better world ", SIASUN will keep innovation and strive ahead in the new era and new journey, always maintain the "Chinese speed", always create the "Chinese level", lead the industry and strive to be world-class!





新松本部 (沈阳)
SIASUN Group Headquarters (Shenyang)


上海新松自动化有限公司
Shanghai SIASUN Robot & Automation Co., LTD

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# 新松工业机器人
## Siasun Industrial Robot BG

新松工业机器人，匠心服务于机器人在智能制造领域的应用。于 2018 年成立天津分公司，目前拥有沈阳和天津两大以工业机器人为主导的大型研发生产基地。新松工业机器人智能产品现已具备智能感知、智能认知、自主决策、自控执行等功能，在各行业进行了深度的应用实践与工艺融合，推出多款工程师系列机器人产品，可为用户量身定制完整先进的行业解决方案。

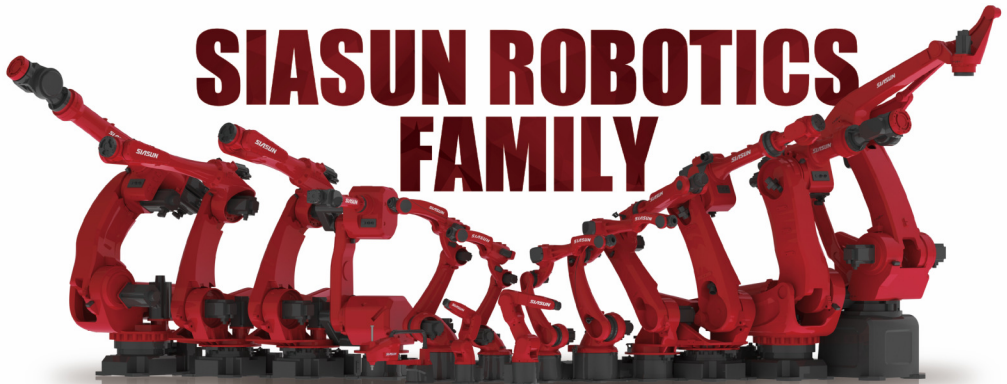
十余载的工程应用验证，数千个项目工程经验，新松工业机器人凭借领先的技术，为客户提供基于工业机器人产品与工业机器人应用相结合的增值技术服务，得到了全球客户的信任和支持。新松工业机器人，专注于赋能智能制造，是您自动化领域的强力伙伴。

SIASUN Industrial Robot BG, dedicated to the application of robots in the field of intelligent manufacturing, established Tianjin Branch in 2018. It currently has two industrial parks, which are all large-scale R&D and production bases for industrial robots, settled in Shenyang and Tianjin respectively. SIASUN Industrial Robot Intelligent Products now has the functions of intelligent sensing, intelligent cognition, independent decision-making, and self-control execution. It has carried out in-depth application practice and process integration in various industries, and launched a variety of engineer-series of robot products, which can be tailored for users. Customize complete and advanced industry solutions.
With decades verification of engineering application and thousands of project engineering experience, SIASUN Industrial Robot provides customers with value-added technical services based on industrial robot products and industrial robot applications with leading technology, which has won the trust and support of customers all over the world. SIASUN Industrial Robots, focusing on enabling intelligent manufacturing, is a strong partner in your automation field.

☆ 产品覆盖负载 4kg 至 500kg 多种机器人型号。
☆ 五大工程师系列产品：机器人焊接工程师、机器人搬码工程师、机器人磨抛工程师、机器人喷涂工程师、机器人装配工程师。
五大系列产品能够把握关键工序及工艺质量，胜任点焊，弧焊、搬运、装配、打磨、抛光、涂胶、喷涂、注塑、切割等多种自动化作业。
☆ 服务遍及汽车及零部件、重型机械、轨道交通、船舶、航天航空、冶金、电气、新能源、烟草、医药、金融及印刷出版等各国民经济领域。

☆ Covers a variety of robot models loading from 4kg to 500kg.
☆ Five major engineer-series of robots: welding engineer, coding engineer, grinding engineer, coating engineer, assembly engineer. The five series of products can grasp key processes and process quality；they can be used for various automation operations such as spot welding, arc welding, handling, assembly, grinding, polishing, gluing, spraying, machine loading and unloading, injection molding, cutting, etc.
Services cover various national economic industries such as automobiles and parts, engineering machinery, rail transit, ships, aerospace, military, metallurgy, electrical, new energy, tobacco, medicine, finance, printing and publishing.
☆ SIASUN industrial robots serve various national economic industries such as automobiles and car parts, engineering machinery, rail transit, shipbuilding, aerospace, metallurgy, electrical, new energy, tobacco, medicine, finance, printing and publishing, etc.

# SIASUN ROBOTICS FAMILY



## 产品特色 Features and Benefits

新松公司自主研发的6轴轻量型工业机器人，采用安全壳体型设计，机身轻量紧凑，纤细小巧，中空结构的手腕，有效利用空间对身体在狭窄区域进行作业，具有其极高的灵活性、安全性，精确度等特征，特别适用于工厂行业和有限的柔性化生产线，承担搬运装配、检测、搬运、上下料等工业操作要求，为提高生产率和降低劳动强度。

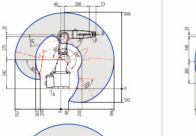
SIASUN's 6-axis light weight industrial robot with a safe and streamlined design. The body is lightweight, compact, and the wrist of the hollow structure can effectively use the space dead angle to operate in a narrow area. The robot has high flexibility, safety, high accuracy and other characteristics. It is especially suitable for flexible production line with limited working space, which can meet the requirements of precision assembly, inspection, handling, loading and unloading, to contribute to improving production efficiency.





| 型号Type | | | SR4B | SR7CL |
|---|---|---|---|---|
| 负载能力Payload | | | 4kg | 7kg |
| 重复定位精度Repeatability | | | ±0.02mm | ±0.02mm |
| 最大工作半径Reach | | | 906mm | 906mm |
| 自由度数DOF | | | 6 | 6 |
| 运动范围 Range of Motion | | J1 | ±170° | ±170° |
| | | J2 | +80°, -144° | +96°, -130° |
| | | J3 | +265°, -119°（联合）<br>+194°, -54°（单轴） | +291°, -150°（联合）<br>+165°, -65°（单轴） |
| | | J4 | ±170° | ±170° |
| | | J5 | ±119° | ±120° |
| | | J6 | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed | | J1 | 400°/s | 267°/s |
| | | J2 | 326°/s | 223°/s |
| | | J3 | 410°/s | 315°/s |
| | | J4 | 450°/s | 400°/s |
| | | J5 | 330°/s | 400°/s |
| | | J6 | 640°/s | 600°/s |
| 手腕允许力矩 Allowable Moment | | J4 | 4.4N·m | 24N·m |
| | | J5 | 4.4N·m | 15.2N·m |
| | | J6 | 2.9N·m | 9.7N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) | | J4 | 0.15 kg·m² | 0.75 kg·m² |
| | | J5 | 0.15 kg·m² | 0.26 kg·m² |
| | | J6 | 0.1 kg·m² | 0.067 kg·m² |
| 本体重量 Body Weight | | | 32kg | 49kg |
| 电源容量 Power | | | 1.25KVA | 1.3KVA |
| 防护等级 (侧距) Protection(Wrist) | | | IP67 | IP67 |
| 预留信号线 (1轴—4轴处) Reserved Signal Wire | | | 8芯，单芯线径0.12mm²<br>8 cores, 0.12mm²per conductor | 8芯，单芯线径0.12mm²<br>8 cores, 0.12mm²per conductor |
| 安装方式 Installation Position | | | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall |
| 控制器型号 Controller Type | | | SRC C5 | SRC C5 |

运动范围图
Range of Movement




*如果需要倒装或侧装，运动参数会受限，具体联系技术支持。

*If the robot needs to be installed on the ceiling or wall, the motion parameters will be limited. Please contact technical support for details.

应用领域
Applications

搬运 上下料 装配...
Handling, Loading and Unloading, Assembly ...

## 产品特色 Features and Benefits

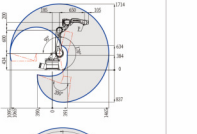
全新的优秀造型设计；功作速度运动效率，满足节拍的生产节拍；网络化控制系统，丰富的外部接口及扩展能力；完全开放的自主系统，支持各种自己开发；SIASUN Robot Virtual Work Station，支持CAD模型直接及基于CAD建模的仿真；支持现场、万维集各种智能传感设备；成本低廉，易维护操作集成系统；支持现场二次开发；Bran-new graceful style design; Meet harsh TAKT with rapid speed; Networked Control Systems, abundant external interface with high extension capability; Completely open independent control system could support multiple application development; SIASUN Robot Virtual work station support CAD model reconstruction and non-teach job on basis of CAD modelling; Support the information processing of intelligent sensor on vision and force sensation; High cost-effective, spare parts are low cost and high quality; Active and localization of timely customer service, assist you trouble back at home.

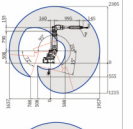
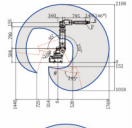
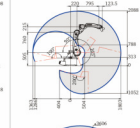




| 型号Type | | | T12B-14 | T12A-20 |
|---|---|---|---|---|
| 负载能力 Payload | | | 12kg | 12kg |
| 重复定位精度 Repeatability | | | ±0.03mm | ±0.07mm |
| 最大工作半径 Reach | | | 1465mm | 2010mm |
| 运动范围 Range of Motion | | J1 | ±180° | ±180° |
| | | J2 | +90°，-170° | +90°，-165° |
| | | J3 | +180°，-200°（联合）<br>+150°，-90°（单轴） | +150°，-200°（联合）<br>+116°，-85°（单轴） |
| | | J4 | ±180° | ±180° |
| | | J5 | +145°，-160° | +145°，-160° |
| | | J6 | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed | | J1 | 200°/s | 200°/s |
| | | J2 | 200°/s | 220°/s |
| | | J3 | 220°/s | 220°/s |
| | | J4 | 400°/s | 400°/s |
| | | J5 | 430°/s | 430°/s |
| | | J6 | 720°/s | 720°/s |
| 手腕允许力矩 Allowable Moment | | J4 | 23N·m | 23N·m |
| | | J5 | 20N·m | 17N·m |
| | | J6 | 9N·m | 9N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) | | J4 | 0.4kg·m² | 0.4kg·m² |
| | | J5 | 0.38kg·m² | 0.35kg·m² |
| | | J6 | 0.10kg·m² | 0.1kg·m² |
| 本体重量 Body Weight | | | 120kg | 250kg |
| 电源容量 Power | | | 2KVA | 3KVA |
| 防护等级 (侧距) Protection(Wrist) | | | IP65 | IP65 |
| 预留信号线 (1轴—3轴处) Reserved Signal Wire | | | 16芯，单芯线径0.2mm²（选配）<br>16 cores, 0.2mm²per conductor | 16芯，单芯线径0.2mm² |
| 安装方式 Installation Position | | | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall |
| 控制器型号 Controller Type | | | SRC ES | SRC ES |

运动范围图
Range of Movement

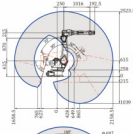
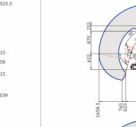

200
1000
205
1774
634
184
0
827
1405
1405
200
241
205
205
1000
205
2106
1000
205
2106
1190
1190
1190

| 产品特色 | 全新的优秀造型设计；动作速度出类拔萃，满足苛刻的生产节拍；网络化控制系统，丰富的外部接口及扩展能力；完全开放的自主系统，支持各种应用开发；SIASUN Robot Virtual Work Station, 支持CAD模型重建及基于CAD模型的机器人免示教作业；支持视觉、力觉等各种智能传感信息，性价比高，责任总廉的最高品质件；主动及时的本地化客户服务，免您后顾之忧。 | | |
|---|---|---|---|
| |  |  |  |
| 型号Type | SR10AL | SR20A | T20A-18 |
| 负载能力 Payload | 10kg | 20kg | 20kg |
| 重复定位精度 Repeatability | ±0.05mm | ±0.05mm | ±0.05mm |
| 最大工作半径 Reach | 1957mm | 1760mm | 1803mm |
| 运动范围 Range of Motion J1 | ±180° | ±180° | ±180° |
| 运动范围 Range of Motion J2 | +95°, -155° | +95°, -155° | +90°, -165° |
| 运动范围 Range of Motion J3 | +252°, -195°（联合）<br>+155°, -65°（单轴） | +252°, -195°（联合）<br>+155°, -65°（单轴） | +190°, -200°（联合）<br>+160°, -85°（单轴） |
| 运动范围 Range of Motion J4 | ±175° | ±175° | ±180° |
| 运动范围 Range of Motion J5 | ±135° | ±135° | ±180° |
| 运动范围 Range of Motion J6 | ±360° | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed J1 | 195°/s | 195°/s | 200°/s |
| 最大运动速度 Maximum Moving Speed J2 | 175°/s | 175°/s | 220°/s |
| 最大运动速度 Maximum Moving Speed J3 | 180°/s | 180°/s | 220°/s |
| 最大运动速度 Maximum Moving Speed J4 | 360°/s | 360°/s | 380°/s |
| 最大运动速度 Maximum Moving Speed J5 | 360°/s | 360°/s | 420°/s |
| 最大运动速度 Maximum Moving Speed J6 | 600°/s | 550°/s | 550°/s |
| 手腕允许力矩 Allowable Moment J4 | 22N·m | 43.7N·m | 52N·m |
| 手腕允许力矩 Allowable Moment J5 | 22N·m | 43.7N·m | 52N·m |
| 手腕允许力矩 Allowable Moment J6 | 10N·m | 19.6N·m | 32N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) J4 | 0.9kg·m² | 1.09kg·m² | 2.4kg·m² |
| 手腕允许惯量 Allowable Inertia (GD²/4) J5 | 0.9kg·m² | 1.09kg·m² | 2.4kg·m² |
| 手腕允许惯量 Allowable Inertia (GD²/4) J6 | 0.20kg·m² | 0.24kg·m² | 1.2kg·m² |
| 本体重量 Body Weight | 280kg | 270kg | 250kg |
| 电源容量 Power | 3KVA | 3KVA | 3KVA |
| 防护等级（腕部）Protection(Wrist) | IP65 | IP65 | IP65 |
| 预装信号线（1轴→2轴总）Reserved Signal Wire | 32芯, 单芯线径0.25mm² 32cores, 0.25mm² per conductor | 32芯, 单芯线径0.12mm² 32cores, 0.12mm² per conductor | 16芯, 单芯线径0.2mm² 16cores, 0.2mm² per conductor |
| 安装方式 Installation Position | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall |
| 控制器型号 Controller Type | SRC G5 | SRC G5 | SRC E5 |
| 可选型号 Optional Configuration | SRC MS(E) | SRC MS(E) | |
| 运动范围图 Range of Movement |  |  |  |

*如果需要倒装或壁装，运动参数会受限，具体请联系技术支持。

*If the robot needs to be installed on the ceiling or wall, the motion parameters will be limited. Please contact technical support for details.

| 应用领域 Applications | 弧焊 搬运 上下料 打磨 码垛 涂胶 装配 ... Arc Welding ,Handling , Loading and Unloading , Grinding , Palletizing , Gluing , Assembly... |
|---|---|

| Features and Benefits | Bran-new graceful style design; Meet harsh TAKT with rapid speed; Networked Control Systems, abundant external interface with high extension capability; Completely open independent control system could support multiple application development; SIASUN Robot Virtual work station support CAD model reconstruction and non-teach job on basis of CAD modeling; Support the information processing of intelligent sensor on vision and force sensation; High cost-effective, spare parts are low cost and high quality; Active and localization of timely customer service, avoid you trouble back at home. | |
|---|---|---|
| |  |  |
| 型号Type | T50A-21 | T80A-21 |
| 负载能力 Payload | 50kg | 80kg |
| 重复定位精度 Repeatability | ±0.05mm | ±0.05mm |
| 最大工作半径 Reach | 2158mm | 2158mm |
| 运动范围 Range of Motion J1 | ±180° | ±180° |
| 运动范围 Range of Motion J2 | +90°, -135° | +90°, -135° |
| 运动范围 Range of Motion J3 | +255°, -180°（联合）<br>+185°, -80°（单轴） | +255°, -180°（联合）<br>+185°, -80°（单轴） |
| 运动范围 Range of Motion J4 | ±360° | ±360° |
| 运动范围 Range of Motion J5 | ±125° | ±125° |
| 运动范围 Range of Motion J6 | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed J1 | 170°/s | 170°/s |
| 最大运动速度 Maximum Moving Speed J2 | 170°/s | 120°/s |
| 最大运动速度 Maximum Moving Speed J3 | 170°/s | 120°/s |
| 最大运动速度 Maximum Moving Speed J4 | 250°/s | 240°/s |
| 最大运动速度 Maximum Moving Speed J5 | 250°/s | 200°/s |
| 最大运动速度 Maximum Moving Speed J6 | 350°/s | 300°/s |
| 手腕允许力矩 Allowable Moment J4 | 206N·m | 294N·m |
| 手腕允许力矩 Allowable Moment J5 | 206N·m | 294N·m |
| 手腕允许力矩 Allowable Moment J6 | 127N·m | 147N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) J4 | 28kg·m² | 28kg·m² |
| 手腕允许惯量 Allowable Inertia (GD²/4) J5 | 28kg·m² | 28kg·m² |
| 手腕允许惯量 Allowable Inertia (GD²/4) J6 | 11kg·m² | 11kg·m² |
| 本体重量 Body Weight | 590kg | 590kg |
| 电源容量 Power | 5KVA | 5KVA |
| 防护等级（腕部）Protection(Wrist) | IP65 | IP65 |
| 预装信号线（1轴→3轴）Reserved Signal Wire | 32芯, 单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯, 单芯线径0.2mm² 32cores, 0.2mm² per conductor |
| 安装方式 Installation Position | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall |
| 控制器型号 Controller Type | SRC E5 | SRC E5 |
| 运动范围图 Range of Movement |  |  |

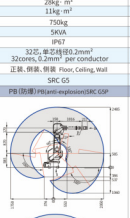
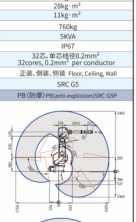
*如果需要倒装或壁装，运动参数会受限，具体请联系技术支持。

*If the robot needs to be installed on the ceiling or wall, the motion parameters will be limited. Please contact technical support for details.

| 应用领域 Applications | 搬运 上下料 打磨 码垛 涂胶 装配 包装... Handling, Loading And Unloading , Grinding , Palletizing , Gluing , Assembly , Packing ... |
|---|---|

| 产品特点 | 全新的经典造型设计；动作速度出类拔萃，满足苛刻的生产节拍；网络化控制系统，丰富的外部接口及扩展能力；完全开放的自主系统，支持各种应用开发；SIASUN Robot Virtual Work Station，支持CAD模型重建及基于CAD模型的机器人免示教作业；支持完整、方便等各种智能传感信息；性价比高，质优价廉的备品备件；主动及时的本地化客户服务，免您后顾之忧。 |
|---|---|




| 型号Type | | SR35A | SR50A | SR80A |
|---|---|---|---|---|
| 负载能力 Payload | | 35kg | 50kg | 80kg |
| 重复定位精度 Repeatability | | ±0.1mm | ±0.1mm | ±0.1mm |
| 最大工作半径 Reach | | 2538mm | 2050mm | 2050mm |
| 运动范围 Range of Motion | J1 | ±180° | ±180° | ±180° |
| | J2 | +90°，-135° | +90°，-135° | +90°，-135° |
| | J3 | +280°，-160°（联合） | +280°，-160°（联合） | +280°，-160°（联合） |
| | | +165°，-77°（单轴） | +165°，-77°（单轴） | +165°，-77°（单轴） |
| | J4 | ±355° | ±355° | ±355° |
| | J5 | ±125° | ±125° | ±125° |
| | J6 | ±360° | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed | J1 | 180°/s | 170°/s | 170°/s |
| | J2 | 140°/s | 170°/s | 120°/s |
| | J3 | 180°/s | 170°/s | 120°/s |
| | J4 | 250°/s | 250°/s | 240°/s |
| | J5 | 250°/s | 250°/s | 240°/s |
| | J6 | 350°/s | 350°/s | 300°/s |
| 手腕允许力矩 Allowable Moment | J4 | 147N·m | 206N·m | 294N·m |
| | J5 | 147N·m | 206N·m | 294N·m |
| | J6 | 78N·m | 127N·m | 147N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) | J4 | 10kg·m² | 28kg·m² | 28kg·m² |
| | J5 | 10kg·m² | 28kg·m² | 28kg·m² |
| | J6 | 4kg·m² | 11kg·m² | 11kg·m² |
| 本体重量 Body Weight | | 760kg | 750kg | 760kg |
| 电源容量 Power | | 5KVA | 5KVA | 5KVA |
| 防护等级 (腕部) Protection(Wrist) | | IP67 | IP67 | IP67 |
| 预装信号线 (1轴—3轴处) Reserved Signal Wire | | 32芯，单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯，单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯，单芯线径0.2mm² 32cores, 0.2mm² per conductor |
| 安装方式 Installation Position | | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall |
| 控制器型号 Controller Type | | SRC G5 | SRC G5 | SRC G5 |
| 可选配置Optional Configuration | | PB (防爆) PB(anti-explosion)SRC G5P | PB (防爆) PB(anti-explosion)SRC G5P | PB (防爆) PB(anti-explosion)SRC G5P |
| 运动范围图 Range of Movement | |  |  |  |

*如果机型与普通机型的配置、安装方式、运动参数有区别，具体请联系技术支持。

*The configuration, installation position and motion parameters of anti-explosion robots are different from those of ordinary robots. Please contact technical support for details.

*If the robot needs to be installed on the ceiling or wall, the motion parameters will be limited. Please contact technical support for details.

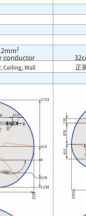
应用领域 Applications

搬运 机加 锻造 铸造 打磨 喷涂 涂胶 装配 包装 ...
Handling , Machining , Forging , Casting , Grinding , Spray coating, Gluing , Assembly , Packing ...

| Features and Benefits | Brain-new graceful style design; Meet harsh TAKT with rapid speed; Networked Control Systems, abundant external interface with high extension capability; Completely-open independent control system could support multiple application development; SIASUN Robot Virtual work Station support CAD model reconstruction and can teach job on basis of CAD modeling; Support the information processing of intelligent sensor on vision and force sensation; High cost-effective, spare parts are low cost and high quality; Active and localization of timely customer service, avoid you trouble back at home. |
|---|---|





| 型号Type | | SR35B | SR50B | SR80B |
|---|---|---|---|---|
| 负载能力 Payload | | 35kg | 50kg | 80kg |
| 重复定位精度 Repeatability | | ±0.1mm | ±0.1mm | ±0.1mm |
| 最大工作半径 Reach | | 2358mm | 2150mm | 2150mm |
| 运动范围 Range of Motion | J1 | ±180° | ±180° | ±180° |
| | J2 | +90°，-135° | +90°，-135° | +90°，-135° |
| | J3 | +280°，-160°（联合） | +280°，-160°（联合） | +280°，-160°（联合） |
| | | +165°，-77°（单轴） | +165°，-77°（单轴） | +165°，-77°（单轴） |
| | J4 | ±355° | ±355° | ±355° |
| | J5 | ±125° | ±125°(±190°) | ±125° |
| | J6 | ±360° | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed | J1 | 180°/s | 170°/s | 170°/s |
| | J2 | 140°/s | 170°/s | 120°/s |
| | J3 | 180°/s | 170°/s | 120°/s |
| | J4 | 250°/s | 250°/s | 240°/s |
| | J5 | 250°/s | 250°/s | 240°/s |
| | J6 | 350°/s | 350°/s | 300°/s |
| 手腕允许力矩 Allowable Moment | J4 | 147N·m | 206N·m | 294N·m |
| | J5 | 147N·m | 206N·m | 294N·m |
| | J6 | 78N·m | 127N·m | 147N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) | J4 | 10kg·m² | 28kg·m² | 28kg·m² |
| | J5 | 10kg·m² | 28kg·m² | 28kg·m² |
| | J6 | 4kg·m² | 11kg·m² | 11kg·m² |
| 本体重量 Body Weight | | 660kg | 650kg | 660kg |
| 电源容量 Power | | 5KVA | 5KVA | 5KVA |
| 防护等级 (腕部) Protection(Wrist) | | IP67 | IP67 | IP67 |
| 预装信号线 (1轴—3轴处) Reserved Signal Wire | | 32芯，单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯，单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯，单芯线径0.2mm² 32cores, 0.2mm² per conductor |
| 安装方式 Installation Position | | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall | 正装、倒装、侧装 Floor, Ceiling, Wall |
| 控制器型号 Controller Type | | SRC G5 | SRC G5 | SRC G5 |
| 运动范围图 Range of Movement | |  |  |  |

*如果需要倒装或顶装，运动参数会受限，具体联系技术支持。

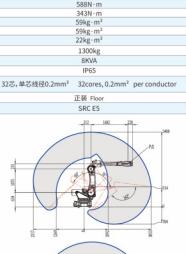
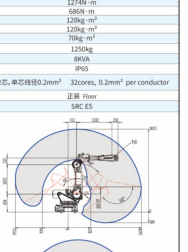
*If the robot needs to be installed on the ceiling or wall, the motion parameters will be limited. Please contact technical support for details.

应用领域 Applications

搬运 上下料 打磨 码垛 涂胶 装配 包装...
Handling, Loading And Unloading , Grinding , Palletizing , Gluing , Assembly , Packing ....

| 产品特色 | 全新的优美造型设计；动作速度出类拔萃，满足苛刻的生产节拍；网络化控制系统，丰富的外部接口及扩展能力；完全开放的自主系统，支持各种应用开发；SIASUN Robot Virtual Work Station，支持CAD模型重建及基于CAD模型的机器人免示教作业；支持视觉、力觉等各种智能传感信息；性价比高，质优价廉的备品备件；主动及时的本地化客户服务，免后后顾之忧。 |
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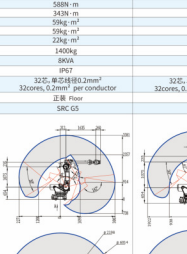
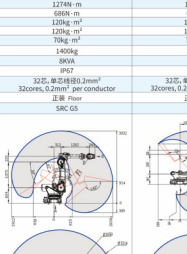
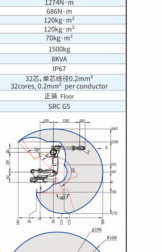



| 型号Type | | T120A-30 | T165A-26 |
|---|---|---|---|
| 负载能力 Payload | | 120kg | 165kg |
| 重复定位精度 Repeatability | | ±0.1mm | ±0.1mm |
| 最大工作半径 Reach | | 3053mm | 2658mm |
| 运动范围 Range of Motion | J1 | ±180° | ±180° |
| | J2 | +60°,-76° | +60°,-76° |
| | J3 | +230°,-142°(联合)<br>+165°,-78°(单轴) | +230°,-142°(联合)<br>+165°,-78°(单轴) |
| | J4 | ±355° | ±355°(±180°)* |
| | J5 | ±125° | ±125° |
| | J6 | ±360° | ±360°(±180°)* |
| 最大运动速度 Maximum Moving Speed | J1 | 105°/s | 100°/s |
| | J2 | 90°/s | 90°/s |
| | J3 | 90°/s | 85°/s |
| | J4 | 170°/s | 135°/s |
| | J5 | 165°/s | 130°/s |
| | J6 | 260°/s | 225°/s |
| 手腕允许力矩 Allowable Moment | J4 | 588N·m | 1274N·m |
| | J5 | 588N·m | 1274N·m |
| | J6 | 343N·m | 686N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) | J4 | 59kg·m² | 120kg·m² |
| | J5 | 59kg·m² | 120kg·m² |
| | J6 | 22kg·m² | 70kg·m² |
| 本体重量Body Weight | | 1300kg | 1250kg |
| 电源容量Power | | 8KVA | 8KVA |
| 防护等级 (腕部) Protection(Wrist) | | IP65 | IP65 |
| 预装信号线 (1轴→4轴) Reserved Signal Wire | | 32芯，单芯线径0.2mm² | 32cores, 0.2mm² per conductor |
| 安装方式 Installation Position | | 正装 Floor | 正装 Floor |
| 控制器型号 Controller Type | | SRC E5 | SRC E5 |
| 运动范围图 Range of Movement | |  |  |
| * 点焊应用版士180° Spot Welding System ±180° | | | |
| 应用领域 Applications | | 点焊 搬运 码垛 上下料 打磨 装配 ... Spot Welding , Handling , Palletizing , Loading And Unloading , Gluing , Assembly.... | |

| Features and Benefits | Bran-new graceful style design; Meet harsh TAKT with rapid speed; Networked Control System, abundant external interface with high extension capability; Completely open independent control system could support multiple application development; SIASUN Robot Virtual work station support CAD model reconstruction and non-teach job on basis of CAD modelling; Support the information processing of intelligent sensor on vision and force sensation; High cost-effective, spare parts are low cost and high quality; Active and localization of timely customer service, avoid you trouble back at home. |
|---|---|

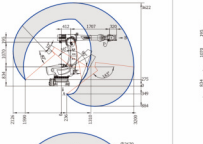
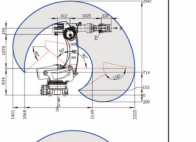
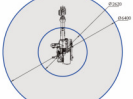




| 型号Type | | SR120D | SR210D | SRS210D |
|---|---|---|---|---|
| 负载能力 Payload | | 120kg | 210kg | 210kg |
| 重复定位精度 Repeatability | | ±0.2mm | ±0.2mm | ±0.2mm |
| 最大工作半径 Reach | | 3007mm | 2658mm | 3050mm |
| 运动范围 Range of Motion | J1 | ±180° | ±180° | ±180° |
| | J2 | +60°,-76° | +60°,-76° | +40°,-155° |
| | J3 | +230°,-142°(联合)<br>+165°,-78°(单轴) | +230°,-142°(联合)<br>+165°,-78°(单轴) | +130°,-165°(联合)<br>+170°,-70°(单轴) |
| | J4 | ±355° | ±355°(±180°)* | ±360° |
| | J5 | ±125° | ±125° | ±125° |
| | J6 | ±360° | ±360°(±180°)* | ±360° |
| 最大运动速度 Maximum Moving Speed | J1 | 105°/s | 100°/s | 90°/s |
| | J2 | 90°/s | 90°/s | 80°/s |
| | J3 | 90°/s | 85°/s | 85°/s |
| | J4 | 170°/s | 120°/s | 160°/s |
| | J5 | 120°/s | 120°/s | 120°/s |
| | J6 | 260°/s | 190°/s | 220°/s |
| 手腕允许力矩 Allowable Moment | J4 | 588N·m | 1274N·m | 1274N·m |
| | J5 | 588N·m | 1274N·m | 1274N·m |
| | J6 | 343N·m | 686N·m | 686N·m |
| 手腕允许惯量 Allowable Inertia (GD²/4) | J4 | 59kg·m² | 120kg·m² | 120kg·m² |
| | J5 | 59kg·m² | 120kg·m² | 120kg·m² |
| | J6 | 22kg·m² | 70kg·m² | 70kg·m² |
| 本体重量Body Weight | | 1400kg | 1400kg | 1500kg |
| 电源容量Power | | 8KVA | 8KVA | 8KVA |
| 防护等级 (腕部) Protection(Wrist) | | IP67 | IP67 | IP67 |
| 预装信号线 (1轴→3轴处) Reserved Signal Wire | | 32芯，单芯线径0.2mm²<br>32cores, 0.2mm² per conductor | 32芯，单芯线径0.2mm²<br>32cores, 0.2mm² per conductor | 32芯，单芯线径0.2mm²<br>32cores, 0.2mm² per conductor |
| 安装方式 Installation Position | | 正装 Floor | 正装 Floor | 正装 Floor |
| 控制器型号 Controller Type | | SRC G5 | SRC G5 | SRC G5 |
| 运动范围图 Range of Movement | |  |  |  |
| * 点焊应用版士180° Spot Welding System ±180° | | | | |
| 应用领域 Applications | | 搬运 上下料 打磨 码垛 涂胶 装配 包装... Handling, Loading And Unloading , Grinding , Palletizing , Gluing , Assembly , Packing .... | | |

**产品特色** 全新的优美造型设计；动作速度出类拔萃，满足苛刻的生产节拍；网络化控制系统，丰富的外部接口及扩展能力；完全开放的自主系统，支持各种应用开发；SIASUN Robot Virtual Work Station，支持CAD模型重建及基于CAD模型的机器人生示教作业；支持视觉、力觉等各种智能传感信息；性价比高，易优价廉的备品备件；主动及时的本地化客户服务，免后顾之忧。

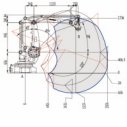
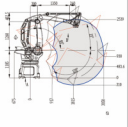
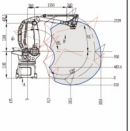
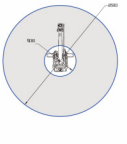
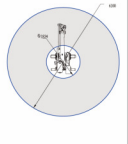
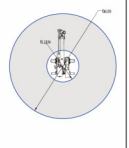



| 型号Type | | SR360AL | SR500A |
|---|---|---|---|
| 负载能力 Payload | | 360kg | 500kg |
| 重复定位精度 Repeatability | | ±0.2mm | ±0.2mm |
| 自由度数 DOF | | 6 | 6 |
| 最大工作半径 Reach | | 3200mm | 2525mm |
| 运动范围 Range of Motion | J1 | ±180° | ±180° |
| | J2 | +50°, -90° | +50°, -90° |
| | J3 | +220°, -143°（联合） | +220°, -150°（联合） |
| | | +165°, -70°（单轴） | +165°, -70°（单轴） |
| | J4 | ±360° | ±360° |
| | J5 | ±120° | ±120° |
| | J6 | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed | J1 | 75°/s | 75°/s |
| | J2 | 65°/s | 65°/s |
| | J3 | 65°/s | 65°/s |
| | J4 | 100°/s | 100°/s |
| | J5 | 100°/s | 100°/s |
| | J6 | 160°/s | 160°/s |
| 手腕允许力矩 Allowable Moment | J4 | 2400N·m | 3010N·m |
| | J5 | 2400N·m | 3010N·m |
| | J6 | 1420N·m | 1420N·m |
| 手腕允许惯量 Allowable Inertia(GD²/4) | J4 | 510kg·m² | 510kg·m² |
| | J5 | 510kg·m² | 510kg·m² |
| | J6 | 320kg·m² | 320kg·m² |
| 本体重量 Body Weight | | 2450kg | 2450kg |
| 防护等级 (测距) ProtectionWrist) | | IP67 | IP67 |
| 电源容量 Power | | 15KVA | 15KVA |
| 安装方式 Installation Position | | 正装 Floor | 正装 Floor |
| 控制器型号 Controller Type | | SRC G5 | SRC G5 |
| 运动范围图 Range of Movement | |  |  |
| | |  |  |
| 应用领域 Applications | | 搬运 码垛 机加 锻造 铸造 … Handling , Palletizing , Machining , Forging , Casting... | |

**Features and Benefits** Bran-new graceful style design; Meet harsh TAKT with rapid speed; Networked Control Systems, abundant external interface with high extension capability; Completely open independent control system could support multiple application development; SIASUN Robot Virtual work station support CAD model reconstruction and non-teach job on basis of CAD modeling; Support the information processing of intelligent sensor on vision and force sensation; High cost-effective, spare parts are low cost and high quality; Active and localization of timely customer service, avoid you trouble back at home.





| 型号Type | | SRM120A | SRM160A | SRM300A |
|---|---|---|---|---|
| 负载能力 Payload | | 120kg | 160kg | 300kg |
| 工作范围（水平）Range | | 2500mm | 3050mm | 3050mm |
| 重复定位精度 Repeatability | | ±0.2mm | ±0.4mm | ±0.4mm |
| 自由度数 DOF | | 4 | 4 | 4 |
| 标准循环 Standard cycle* | | 1800次/小时 | 1400次/小时 | 1050次/小时 |
| 每轴最大运动范围 Range of Motion | J1 | ±180° | ±180° | ±180° |
| | J2 | +45°, -85° | +45°, -85° | +45°, -85° |
| | J3 | +20°, -120°（联合） | +15°, -120°（联合） | +15°, -120°（联合） |
| | | ±65°（单轴） | +60°, -70°（单轴） | +60°, -70°（单轴） |
| | J4 | ±360° | ±360° | ±360° |
| 每轴最大运动速度 Maximum Moving Speed | J1 | 150°/s | 130°/s | 85°/s |
| | J2 | 129°/s | 130°/s | 90°/s |
| | J3 | 129°/s | 130°/s | 90°/s |
| | J4 | 400°/s | 300°/s | 190°/s |
| 本体重量 Body Weight | | 1000kg | 2300kg | 2300kg |
| 电源容量 Power | | 8KVA | 8KVA | 8KVA |
| 防护等级 (测距) Protection(Wrist) | | IP53 | IP53 | IP53 |
| 预装信号线（1轴→4轴处） Reserved Signal Wire | | 32芯, 单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯, 单芯线径0.2mm² 32cores, 0.2mm² per conductor | 32芯, 单芯线径0.2mm² 32cores, 0.2mm² per conductor |
| 安装方式 Installation Position | | 正装 Floor | 正装 Floor | 正装 Floor |
| 控制器型号 Controller Type | | SRC G5 | SRC G5 | SRC G5 |
| 运动范围图 Range of Movement | |  |  |  |
| | |  |  |  |
| *ISO9283 | | | | |
| 应用领域 Applications | | 搬运 码垛 … Handling , Palletizing … | | |

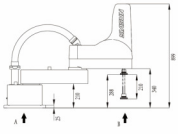
产品特色 高速传输技术；手指末端可用户定制；网络化控制器；体积轻小，安装便捷；...
Features and Benefits High transfer speed, Networked Control System, Light and small volume, Convenient installation ...

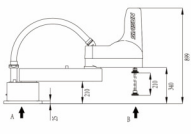


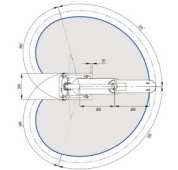


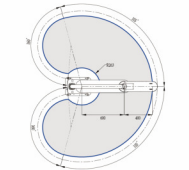
| 型号Type | | SRH10A-800 | SRH10A-1000 |
|---|---|---|---|
| 负载能力 Payload | | 10 KG | 10 KG |
| 工作半径 Reach | | 800mm | 1000mm |
| 重复定位精度*1 Repeatability | XY | ±0.05mm | ±0.05mm |
| | Z | ±0.02mm | ±0.02mm |
| 自由度数DOF | | 4 | 4 |
| 运动范围 Moving Range | J1 | ±105° | ±105° |
| | J2 | ±160° | ±160° |
| | J3 | 210mm | 210mm |
| | J4 | ±360° | ±360° |
| 最大运动速度 Maximum Moving Speed | J1 | 220°/sec | 220°/sec |
| | J2 | 450°/sec | 450°/sec |
| | J3 | 1100 mm/sec | 1100 mm/sec |
| | J4 | 1200°/sec | 1200°/sec |
| J4轴允许惯性力矩*2 Maximum Inertial Torque Allowed of J4 | | 0.26kgm² | 0.26kgm² |
| 本体重量 Body Weight | | 78KG | 82KG |
| 平均功率 Average Power | | 900w | 900w |
| 控制器型号 Controller Type | | SRC C5 | SRC C5 |

运动范围图
Range of Movement




*1. 周围温度一定时的值
*2. 在加速度系数的设定上有限制

*1. Value of ambient temperature
*2. Accelerating factor' s setting is limited

应用领域
Applications

半导体 电子电气 食品加工 ...
Semiconductor ,electronic And Electrical , Food Processing...

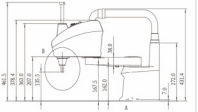
产品特色 高速传输技术；手指末端可用户定制；网络化控制器；体积轻小，安装便捷；...
Features and Benefits High transfer speed, Networked Control System, Light and small volume, Convenient installation ...

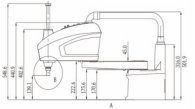


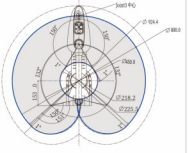


| 型号Type | | T3A-4H | T6A-6H |
|---|---|---|---|
| 额定负载能力Rated Payload | | 1kg | 2kg |
| 最大负载能力Max Payload | | 3kg | 6kg |
| 工作半径 Reach | | 600mm | 600mm |
| 重复定位精度*1 Repeatability | XY | ±0.01mm | ±0.02mm |
| | Z | ±0.01mm | ±0.01mm |
| 自由度数DOF | | 4 | 4 |
| 运动范围 Moving Range | J1 | ±132° | ±132° |
| | J2 | ±150° | ±150° |
| | J3 | 150mm | 200mm |
| | J4 | ±720° | ±720° |
| 最大运动速度 Maximum Moving Speed | J1 | 600°/sec | 370°/sec |
| | J2 | 600°/sec | 588°/sec |
| | J3 | 920mm/sec | 925mm/sec |
| | J4 | 2500°/sec | 1875°/sec |
| J4轴允许惯性力矩*2 Maximum Inertial Torque Allowed of J4 | | 0.006kg·m² | 0.011kg·m² |
| 本体重量 Body Weight | | 14.5kg | 23.5kg |
| 平均功率 Average Power | | 350W | 500W |
| 安装方式 Installation Position | | 正装 Floor | 正装 Floor |
| 控制器型号 Controller Type | | SRC C5 | SRC C5 |

运动范围图
Range of Movement





360°
90°
90°
90

# SIASUN 新一代控制系统

SIASUN Industrial Controller

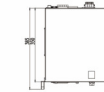
| 开放、安全、更灵巧<br>More open,safe,dexterous | 高效、高稳定性、灵活性高<br>High efficiency,stability and flexibility | 开放接口，支持二次开发<br>Open interface,support secondary development |
|---|---|---|

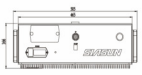
丰富的应用软件包（弧焊、点焊、打磨、喷涂、上下料等）
Abundant application software package(arc weld,spot weld,grinding,spay coating,loading and unloading)

| | | |
|---|---|---|
| 型号 Type | *1 | SRC C5 |
| | *2 | SRC M5 |
| | *3 | SRC E5 |
| | *4 | SRC G5 |
| 机械质量 Weight | *1 | 15kg |
| | *2 | 70kg |
| | *3 | 80kg |
| | *4 | 180kg |
| 电源 Power | *1 | 单相AC220V（-15%～+10%）,50/60Hz Single-phase AC220V（-15%～+10%）,50/60 Hz |
| | *2、*3、*4 | 三相AC380V（-15%～+10%）,50/60Hz Three-phase AC380V（-15%～+10%）,50/60 Hz |
| 控制系统 Control System | | 交流伺服马达 AC servo motor |
| | *1、*2、*3、*4 | 完全独立同时控制（4台个机器人本体轴，可扩展6个外部轴）<br>Fully independent simultaneous control (4/6 robot axes, Extendable 6 external axes) |
| 冷却系统 Cooling System | | 间接冷却（风冷）Indirect cooling（Air-cooled） |
| 周边温度 Temperature | | 0℃~+45℃（运转时 Running）;-20℃~+60℃（运输保管时Transport custody） |
| 相对湿度 Relative humidity | | ≤90%RH（无冷凝 No condensation） |
| 接地 Ground | | 机器人专用接地系统 Special Earthing System for Robots |
| 存储容量 Storage | 记忆介质（存储器）Memory medium (Memory) | CFast 8 |
| | 记忆容量 Memory capacity | 4GB |
| I/O接口 I/O Ports | 通用物理I/O接口<br>General Purpose Physical I / O Ports | 标配输入、输出各16点，可通过增加模块扩展为输入、输出各1024点。<br>Standard configuration input and output 16 points each, can be expanded to 1024 points each input and output by adding modules. |
| | 可扩展总线IO Scalable bus IO | 1024 |
| | 组IO Group IO | 8组可配置 8 groups can be configured |
| | IO输入规格 Input Specifications | 24V, 低电平有效，高低电平可配 24V low level active, high & low levels can be matched |
| | IO输出规格 Output Specifications | 24V, 低电平有效，高低电平可配 24V low level active, high & low levels can be matched |
| 接口 Interface | | 标配接口 RS-232, Devicenet主站、Profinet主站、ModbusTCP 从站。<br>可选配接口 Devicenet从站、Profinet主站、ModbusTCP 主站, CC-link从站, EtherNet/IP主从站。<br>Standard configuration contains: RS-232, Devicenet master, Profinet slave, ModbusTCP slave.<br>Optional configuration contains: Devicenet slave, Profinet master, ModbusTCP master, CC-link slave, EtherNet/ IP master/ slave. |
| 防护等级 Protection | *2、*4 | IP54 (远端防尘Dustproof conpartment IP22) |
| | *1 | IP32,IP54 (选配Optional) |
| | *3 | IP54 |

## ① SRC C5

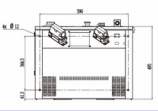


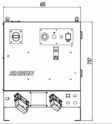






## ② SRC M5

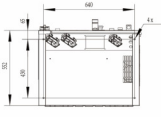



## ③ SRC E5



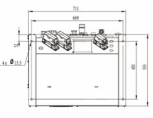



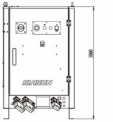




## ④ SRC G5




# SIASUN 示教器

SRTP6QA Teach Pendant

| 触屏示教，功能丰富<br>Touch screen teaching,feature-rich | 操作更直观、快速、高效<br>More intuitive,fast and efficient operation | 新增热插拔功能，易于更换<br>New hot swap function , easy to replace |
|---|---|---|

配套多功能软件包，实现特定生产工艺
Suppirting multifunctional software package to realize specific production process

| | |
|---|---|
| 示教盒<br>Teach Pendant | 彩色触摸屏8英寸 800*600分辨率单手三档安全开关<br>color touch level 8 inch 800*600 resolution single-hand three gear safety switch |
| 操作<br>SW Operation | 急停按钮、模式切换<br>scam button,mode switch |
| 外部存储装置接口<br>External storage device interface | USB |



# SIASUN 技术展示

Technology demonstration

## 新松机器人工业智能开发平台 SIASUN Robot Industrial Intelligence Platform

SIASUN Robot Industrial Intelligence Platform 是新松工业机器人推出的具有中国自主知识产权、全球领先的以工业机器人为核心的工业智能平台系统。智能平台系统可以为企业提供系统建模、工序配置、工艺流程规划、工艺流程仿真、工艺专家库和工艺流程控制，为企业提供专家级的自动化服务。通过智能平台的虚拟化工艺流程，可以验证工艺流程的合理性，包括运动空间、逻辑时序、空间干涉等，同时计算工艺流程的时间节拍，提供合理的人机交互时机，异常处理方式。智能平台内部集成的工艺专家库可通过对应的应用场景，进行人工智能算法推理，产生适应该应用场景的工艺参数。SIASUN Robot Industrial Intelligence Platform，是新松机器人强大的智能云平台。

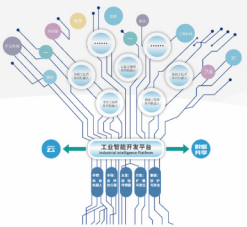
SIASUN Robot Industrial Intelligence Platform is a new industrial intelligent platform system with China's independent intellectual property rights. The intelligent platform system can provide enterprises with system modeling, process configuration, process planning, process flow simulation, process expert library and process flow control, and provide expert-level automation services for enterprises.
With the help of the virtualization process of the intelligent platform, the rationality of the process flow can be verified, including the motion space, logic timing, spatial interference, etc., while calculating the time of the process flow, providing reasonable human-computer interaction timing and abnormal processing mode. The process expert library integrated in the intelligent platform can perform artificial intelligence algorithm reasoning through corresponding application scenarios, and generate process parameters adapted to the application scenario.SIASUN Robot Industrial Intelligence Platform , the powerful intelligent cloud platform for Siasun robots.

### 品牌特色

1. 五大机器人工程师系列
2. 开放式用户体验模式
3. 专业大规模定制解决方案
4. 生态赋能，助力企业智能制造转型升级

### Characteristic

1.Five major Engineers-series of robots
2.Flexible and friendly user experience
3.Professional on Proposing solutions of mass customization
4.Ecological empowerment, helping enterprises to transform and upgrade their intelligent manufacturing



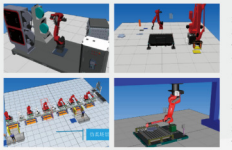

新松智能平台系统，可实现目标对象全流程的智能化与自动化生产，将是未来智慧企业生产制造的核心平台。

SIASUN Intelligence Platform System can realize the intelligent and automated production of the whole process of target objects, and will be the core platform for the future manufacturing of smart enterprises.




**新松为提高机器人用户的生产效率、降低系统成本，开发了一系列的软件产品，使机器人的使用更为简便。**

In order to improve the efficiency of production and reduce the cost of the system, SIASUN has developed a series of software products, which makes the use of the robot more convenient



### 新松 S-Virtual 系统

1、实现间接示教及快速编程，直观观察编程结果
2、机器人选型及场地可视化布局，动作可达性验证
3、虚拟空间测量，及测量数据的曲面重建
4、基于模型的加工规划
5、支持作业碰撞检测

### SIASUN S-Virtual System

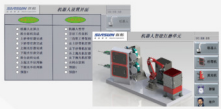
1. Indirect teaching and fast programming, visual programming observed results
2. Robot selection and venue visual layout, accessibility verification operation
3. Virtual space measurement, and CPR of measuring data
4. Processing plan of model
5. Collision detection

### 新松 S-Expert 系统

1、数据在线收集
2、模块化管理
3、智能判断、自主决策
4、强大的工艺参数数据库
5、系统开放可扩展

### SIASUN S-Expert System

1. Online data collection
2. Modular management
3. Intelligent judgment, Autonomous decision
4. Powerful database parameters
5. Openness and Extensibility






### 新松 S-Eye 系统

1、快速拍照系统
2、识别、定位、追踪、检测功能
3、适用于 2D、2.5D、3D 范围
4、可配套各类工业相机

### SIASUN S-Eye System

1. Rapid imaging system
2. Has the recognition , location ,tracking function
3. Applied to 2D ,2.5D , 3D
4. Supporting various types of industrial cameras

### 新松 S-Touch 系统

1、力觉感知
2、实时通讯
3、阈值设定
4、高灵敏度

### SIASUN S-Touch System

1. Force Perception
2. Realtime Communication
3. Threshold Setting
4. High Sensitivity



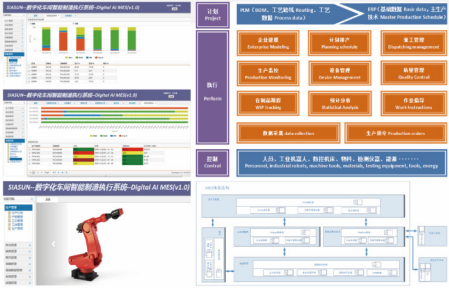
# SIASUN 技术展示

Technology demonstration

## 新松 S-MES 系统 SIASUN Manufacturing Execution System

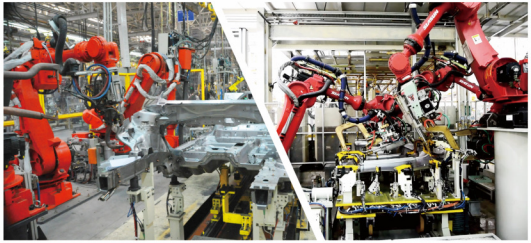
S-MES 系统即制造执行系统，是一套面向制造企业车间执行层的生产信息化管理系统。MES 可以为企业提供包括制造数据管理、计划排程管理、生产调度管理、质量管理、资源管理、工作中心、设备管理、工具工装管理、项目看板管理、生产过程控制、底层数据集成分析、上层数据集成解析等管理模块，为企业打造一个扎实、可靠、可行的制造协同管理平台。MES 能通过信息传递对从订单下达到产品完成的整个生产过程进行优化管理。当工厂发生实时事件时，MES 能对此及时做出反应、报告，并用当前的准确数据对它们进行指导和处理。这种对状态变化的迅速响应使 MES 能够减少企业内部没有附加值的活动，有效地指导工厂的生产运作过程，从而使其既能提高工厂及时交货能力，改善物料的流通性能，又能提高生产回报率。MES 还通过双向的直接通讯在企业内部和整个产品供应链中提供有关产品行为的关键任务信息。

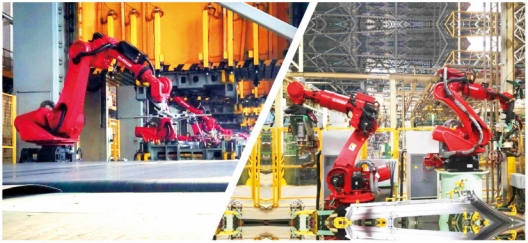
S-MES system that is manufacturing execution system, it is a manufacturing plant for the production of executive-level information management system.MES can provide enterprises with including manufacturing data management, planning and scheduling management , production scheduling management, quality management, resource management, work center / device management, tool tooling management, project Kanban management, manufacturing process control, the underlying data integration analysis, the upper data integrated management module decomposition, for enterprises to build a solid, reliable, comprehensive and feasible manufacturing collaborative management platform. MES through the transmission of information to achieve the completion of the entire production process from order to optimize the management. When the plant real-time events occurred, MES can respond to this in a timely manner, reporting, and use current and accurate data to guide them and deal with .The rapid response to the change of state that MES can reduce non-value-added activities within the enterprise, effectively guide the production and operation of the plant, making it both timely delivery to improve plant capacity, improve the flow properties of the material, but also improve the production rate of return.MES through two-way direct communication products provide mission-critical behavior of information within the enterprise and throughout the product supply chain.




# 应用领域 APPLICATIONS







## ● 汽车 / 汽车零部件行业应用方案

**Automotive &Automotive Component Robotics Solutions**

点焊机器人系统 Spot Welding System
弧焊机器人系统 Arc Welding System
磨抛系统 Grinding & Polishing System
涂胶机器人系统 Gluing System
装配机器人系统 Assembly System
喷涂系统 Paining System

冲压机器人系统 Press System
搬运系统 Handing System
铆接系统 Clinch System
上下料系统 Loading & Unloading System
打孔系统 Punching System
检测系统 Detection System








## ● 重型机械行业应用方案
**Engineering Machinery Industry Solutions**

焊接及切割 Welding &Cutting
加工上下料 Loading &Unloading
喷涂系统 Painting System

## ● 家电行业应用方案
**Household Appliances Industry Solution**

冲压机器人系统 Press System
装配系统 Assembly System
涂胶系统 Sealing System
检测系统 Detection System
磨抛系统 Grinding & Polishing System
上下料系统 Loading & Unloading System
搬运系统 Handling System
PCBI 撕模、卡合系统 PCBI Dyestripping & Engaging System







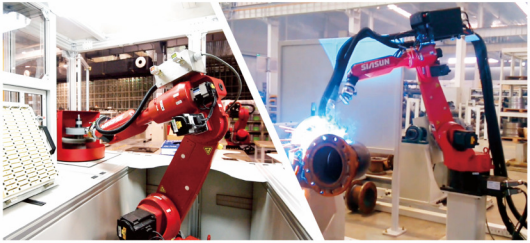
## ● 电气电子 / 消费电子行业应用方案
**Electronics industry Solutions**

上下料系统 Loading & Unloading System
焊接系统 Welding System
磨抛系统 Grinding & Polishing System
PCB 电镀线搬运 PCB Plating Line Handling System

## ● 食品 / 烟草 / 医疗行业应用方案
**Food &Medical industry Solutions**

物流搬运 Material Handling
装箱码垛 Packing & Palletizing System








## ● 一般工业应用方案
**General Industry Solutions**

焊接及切割 Welding & Cutting
铸锻上下料 Die Cast Unloading
装配 Assembly
物流搬运 Material Handling
加工上下料 Loading/Unloading
磨抛、精加工
Grinding & Polishing , Fine machining

## ● 纺织 / 化工行业应用解决方案
**Textile & Chemical Industry Solutions**

分拣包装 Packing & Packing System
物流搬运 Material Handling
码垛系统 Palletizing System
上下料系统 Loading & Unloading System

## ● 家装制品行业应用方案
**Decorating industry Solutions**

搬运系统 Handling System
磨抛系统 Grinding & Polishing System
码垛系统 Palletizing System
喷涂系统 PaintingSystem



# 合作伙伴
Cooperative partner

## 汽车及零部件




# 一般行业
General industry

## 家电




## 电子通信




## 金属加工




## 能源行业




## 玻璃光伏




## 食品药品




## 家居用品




## 纺织印刷及物流输送




## 教育实训



## 价值与服务
Value and Service






### 演绎智能风采的可靠产品

- 新松工业机器人产品，动作可靠连畅，性能优越，功能丰富，是您最可靠的机器人智能产品。
- 可集成度高，可选配S-Eye、S-Touch等多种智能技术，能够满足智慧工厂的多种智能功能需求。
- 根据各行业的实际应用情况，通过不断改善优化，新松工业机器人产品与各行业工艺结合十分融洽，行业应用效果良好。

### 强大的技术开发实力

- 公司聚集各行业的技术专家，从设计到生产拥有专业的人才队伍，拥有院士2名，70%以上的高学历人才队伍。
- 时刻关注国际科技前沿，与国际组织保持密切沟通与联系，新松机器人始终位于主流机器人行业内。

### 遍布全国的服务网络

- 营销及技术服务团队覆盖全国主要地区，遍及欧洲及东南亚。
- 为集成商、代理商提供公平，优质的营销环境，一同维护品牌竞争力，为客户持续提供价值。

### 完善的售后服务体系

- 专门针对客户设立的产品培训中心
- 国内快速响应及应急中心
- 专业的售后服务团队
- 7*24小时售后保障
- 可靠的保养维护及技术支持服务

SIASUN

### Reliable products that perform real intelligence

- Siasun industrial robot products, with reliable and smooth operation, superior performance and rich functions, are the world's leading robotic intelligent products.
- High integration, optional S-Eye, S-Touch and other intelligent technologies to meet the various intelligent functions of smart factories.
- According to the actual application of various industries, through continuous improvement and optimization, Siasun industrial robot products are now well integrated with various industries and the industry has a good application effect.

### A nationwide service network

- The marketing and technical service team covers major regions across China, including oversea market.
- Provide fair and high-quality marketing environment for integrators and agents, jointly maintain brand competitiveness, and continuously provide value to customers.

### International first-class technology development strength

- The company has gathered technical experts from various industries, and has a professional talent team from design to production. It has 2 academicians and more than 70% of highly educated talents.
- Always pay attention to the frontiers of international science and technology, and maintain close communication and contact with international organizations, so that Siasun always maintains its leading position in the robot industry.

### Perfect after-sales service system

- Product training center for customers.
- Domestic Rapid Response and Emergency Center.
- Professional after-sales service team.
- 7*24h after-sales guarantee.
- Reliable maintenance and technical support services.

# INDUSTRY
# POSITION 行业地位

机器人国家工程研究中心
国家八六三计划智能机器人主题产业化基地
中国机器人标准化总体组组长单位
中国机器人产业联盟理事长单位
中国移动机器人（AGV/AMR）产业联盟理事长单位
国家技术标准创新基地（机器人）牵头单位
国家91家创新型企业
中国科学院机器人与智能制造创新联盟理事长单位
中国机器人产业技术创新战略联盟理事长单位
中国机器人协会（筹）会长单位

National Robotic Engineering Research Center
National '863' Program Intellectual Robot Industrialization Base
Leader of National Robot Standardized Group
President unit of CRIA
China Mobile Robot and AGV/AMR Industry Alliance President Unit
National Technical Standards Innovation Base of Robot Leading Unit
91 Innovation Enterprise
President units of TIIR
President units of TISAR
China Robot Association(preparatory) President Unit









