SIASUN Industrial Robot Products Comprehensive Catalog

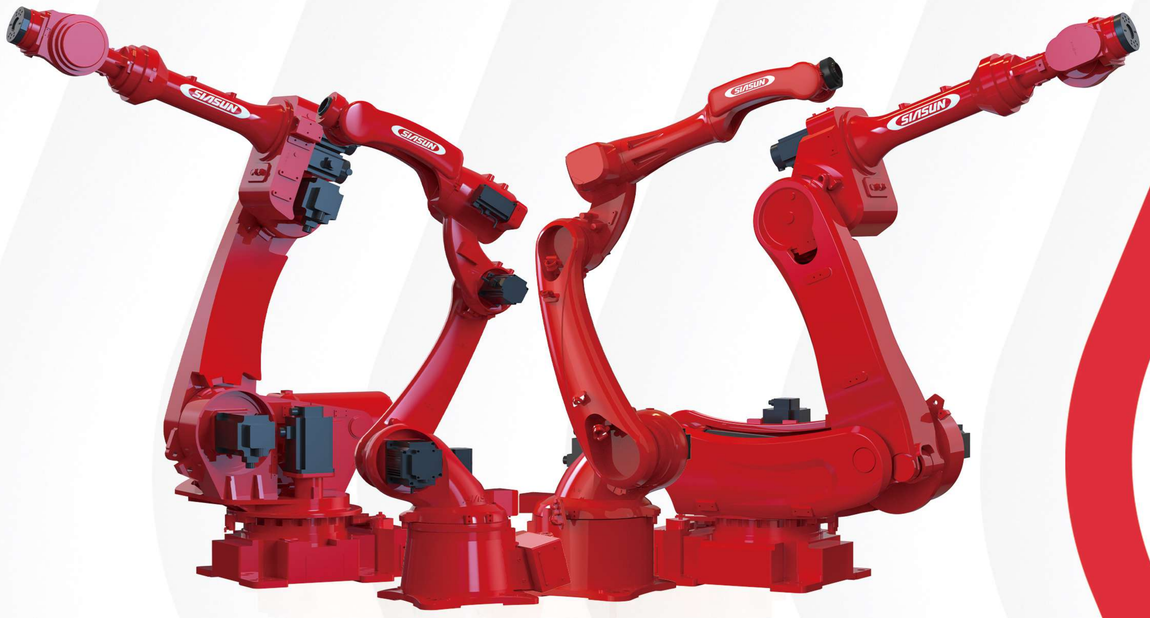
Exceptional Quality · Intelligent Precision Control · High Efficiency & Durability · Robust Reliability

新松机器人自动化股份有限公司
SIASUN ROBOT & AUTOMATION CO., LTD.

Add:NO.33 Quanyun Road,Hunnan District,Shenyang,P.R.China.
Tel:400 800 8666
E-mail:market@siasun.com

WeChat：siasunrobot
Web：https://www.siasun.com/

VER：SX023001-B/3



SIASUN ROBOT FAMILIES

ADVANTAGES

Precision - Intelligent Control

Advanced servo control system achieves millimeter-level precision, ensuring high-precision assembly and machining requirements are met.

Agility - Agile Flexibility

Streamlined design, compact structure, and high-rigidity lightweight body paired with powerful drive system enable swift adaptation to task variations and diverse production layouts.

Integration - Deep Convergence

Integrated optimization with rich external interfaces enables seamless integration with diverse production lines and systems, driving accelerated digital transformation for enterprises.

Stability - Robust Reliability

Combining premium-grade hardware components with cost-effective performance ensures long-term stable operation while minimizing failure rates and enhancing continuous production efficiency.

7 Series 40+ Models

SCARA | Desktop | Small Payload | Medium Payload

Large Payload | Ultra-High Payload | Palletizing

SCARA TECHNICAL PARAMETERS

		SA4A-4/0.40	SA7A-7/0.50	SA7A-7/0.60	SA7A-7/0.70	SA10A-10/0.60	SA10A-10/0.70	SA10A-10/0.80	SA20A-20/0.80	SA20A-20/1.00
Max.reach	J1+J2	400mm	500mm	600mm	700mm	600mm	700mm	800mm	800mm	1000mm
	J1	225mm	225mm	325mm	425mm	225mm	325mm	425mm	350mm	550mm
	J2	175mm	275mm	275mm	275mm	375mm	375mm	375mm	450mm	450mm
Wrist Payload	Rated	2kg	3kg	3kg	3kg	5kg	5kg	5kg	10kg	10kg
	Max.	4kg	7kg	7kg	7kg	10kg	10kg	10kg	20kg	20kg
Maximum Speed	J1+J2	7200mm/s	7120mm/s	7850mm/s	9100mm/s	9100mm/s	7850mm/s	9100mm/s	9550mm/s	10800mm/s
	J3	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s
	J4	2600°/s	2000°/s	2000°/s	2000°/s	2700°/s	2700°/s	2700°/s	705°/s	705°/s
Motion Range	J1	±132°	±132°	±132°	±132°	±132°	±132°	±132°	±142°	±142°
	J2	±141°	±150°	±150°	±150°	±150°	±150°	±150°	±152°	±152°
	J3	150mm	200mm	200mm	200mm	200/300mm	200/300mm	200/300mm	420mm	420mm
	J4	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°
Repeatability	J1+J2	±0.01mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.025mm	±0.025mm
	J3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	J4	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
Allowed Inertia at J4	Rated	0.005kg·m²	0.01kg·m²	0.01kg·m²	0.01kg·m²	0.02kg·m²	0.02kg·m²	0.02kg·m²	0.5kg·m²	0.5kg·m²
	Max.	0.05kg·m²	0.12kg·m²	0.12kg·m²	0.12kg·m²	0.3kg·m²	0.3kg·m²	0.3kg·m²	1 kg·m²	1 kg·m²
Weight		13kg	19kg	20kg	21kg	22kg	23kg	24kg	53kg	56kg
*1 Takt time		0.38s	0.36s	0.37s	0.38s	0.36s	0.39s	0.42s	0.39s	0.43s
Press-Fit Force at J3		100N	150N	150N	150N	200N	200N	200N	250N	250N
IP Class		IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
*2 Noise Level		≤70dB	≤70dB	≤70dB	≤70dB	≤70dB	≤70dB	≤70dB	≤75dB	≤75dB
Input Power		150w	230w	230w	230w	200w	200w	200w	462w	384w
Mounting holes		120x120(135)mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	200 x 200mm(4-ø15mm)	200 x 200mm(4-ø15mm)
User Cable	Cable	15（15pin:D-sub）							9（9pin:D-sub）; 15（15pin:D-sub）	
	Ethernet port	Ethernet port CAT5E								
Cable Length		The standard length is 3m, with optional lengths of 5m and 10m available								
User Piping		2 × ø6 mm air pinping, 1 × ø4 mm air pinping, pressure rating: 0.59 MPa.							2×ø6 mm air pinping, 2×ø4 mm air pinping, pressure rating: 0.59 MPa.	
Ambient conditions *3	Temp.	0℃~45℃								
	Humidity	10%~80%								
Installation		Tabletop mounting								
Controller		SRC S6								

Note1：*The cycle time required for the robot to complete one full "gate-type" path (including a horizontal displacement of 300 mm and a vertical lift of 25 mm) along the optimal trajectory at maximum speed and return to the starting point. Standard cycle time for the 4 kg SCARA model: with a load of 1 kg; standard cycle time for 7 kg / 10 kg / 20 kg SCARA models: with a load of 2 kg.

Note2：*Noise level: measured under four-axis coordinated motion, rated load, 100% speed and acceleration, and 50% duty cycle; measurement position: in front of the robot, 1000 mm from the working area and more than 50 mm above the base mounting surface.

Note3：*Ambient temperature: if the product is used in a low-temperature environment close to the minimum temperature specified for similar products, or if it remains unused for extended periods such as during holidays and overnight, it is recommended to perform a warm-up run at 30% speed coordinated motion for 10 minutes before normal operation.

TECHNICAL PARAMETERS

		SN4A-4/0.58	SN7B-7/0.90	SN10A-10/1.15	SN10A-12/0.90	SR12A-12/1.46	SR25A-12/2.01	SR25A-25/1.80	SR25A-35/1.80	SR50A-50/2.15	SR50A-70/2.15	SR210-120/3.05
Max.load capacity		4kg	7kg	10kg	12kg	12kg	12kg	25kg	35kg	50kg	70kg	120kg
Repeatability		±0.02mm	±0.02mm	±0.03mm	±0.03mm	±0.03mm	±0.07mm	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.08mm
Max.reach		580mm	906mm	1152mm	907mm	1465mm	2010mm	1803mm	1803mm	2158mm	2158mm	3053mm
Controlled axes		6	6	6	6	6	6	6	6	6	6	6
Motion Range	J1	±170°	±170°	±170°	±170°	±180°	±180°	±180°	±180°	±180°	±180°	±180°
	J2	+90°, -130°	+96°, -130°	+95°, -130°	+95°, -130°	+90°, -170°	+90°, -165°	+90°, -165°	+90°, -165°	+90°, -135°	+90°, -135°	+60°, -76°
	J3	+165°, -55°	+165°, -65°	+210°, -65°	+210°, -65°	+150°, -90°	+160°, -85°	+160°, -85°	+160°, -85°	+185°, -80°	+185°, -80°	+165°, -78°
	J4	±170°	±170°	±180°	±180°	±180°	±180°	±180°	±180°	±360°	±360°	±355°
	J5	±120°	±120°	±120°	±120°	+145°, -160°	+145°, -160°	±180°	±180°	±125°	±125°	±125°
	J6	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°
Maximum Speed	J1	450°/s	267°/s	240°/s	245°/s	200°/s	200°/s	200°/s	185°/s	172°/s	165°/s	105°/s
	J2	318°/s	223°/s	230°/s	230°/s	200°/s	220°/s	220°/s	180°/s	160°/s	160°/s	90°/s
	J3	288°/s	315°/s	336°/s	330°/s	220°/s	220°/s	220°/s	220°/s	188°/s	188°/s	90°/s
	J4	550°/s	400°/s	500°/s	500°/s	400°/s	400°/s	380°/s	350°/s	260°/s	260°/s	170°/s
	J5	450°/s	400°/s	420°/s	420°/s	430°/s	430°/s	420°/s	275°/s	260°/s	260°/s	165°/s
	J6	612°/s	600°/s	720°/s	720°/s	720°/s	720°/s	550°/s	410°/s	370°/s	365°/s	260°/s
Moment	J4	4.59N·m	24N·m	25N·m	25N·m	23N·m	23N·m	52N·m	110N·m	218N·m	308N·m	588N·m
	J5	4.59N·m	15.2N·m	25N·m	25N·m	20N·m	20N·m	52N·m	110N·m	218N·m	308N·m	588N·m
	J6	3.1N·m	9.7N·m	12N·m	12N·m	9N·m	9N·m	32N·m	62N·m	110N·m	150N·m	343N·m
Inertia	J4	0.2kg·m²	0.75kg·m²	0.78kg·m²	0.78kg·m²	0.4kg·m²	0.4kg·m²	2.4kg·m²	4kg·m²	30kg·m²	30kg·m²	59kg·m²
	J5	0.2kg·m²	0.26kg·m²	0.78kg·m²	0.78kg·m²	0.38kg·m²	0.38kg·m²	2.4kg·m²	4kg·m²	30kg·m²	30kg·m²	59kg·m²
	J6	0.08kg·m²	0.067kg·m²	0.3kg·m²	0.3kg·m²	0.1kg·m²	0.1kg·m²	1.2kg·m²	1.5kg·m²	9kg·m²	12kg·m²	22kg·m²
Ambient conditions*2	Temp.	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃
	Humidity	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)
Body Weight		22kg	52kg	80kg	80kg	130kg	250kg	250kg	260kg	530kg	530kg	1300kg
IP Class(Wrist)		IP67	IP67	IP67	IP67	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Installation*3		Floor,Ceiling	Floor,Ceiling,Wall	Floor	Floor	Floor,Ceiling,Wall	Floor,Ceiling,Wall	Floor,Ceiling	Floor,Ceiling	Floor,Ceiling	Floor,Ceiling	Floor
Pre-installed Signal Cables		8cores,0.12m ㎡ per conductor	8cores,0.12m ㎡ per conductor	12cores,0.08m ㎡ per conductor	8cores,0.12m ㎡ per conductor	16cores,0.2m ㎡ per conductor	16cores,0.2m ㎡ per conductor	16cores,0.2m ㎡ per conductor	16cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor
Controller		SRC C6	SRC C6	SRC C6	SRC C6	SRC M6/C6/ME6	SRC M6/C6/ME6	SRC M6/C6/ME6	SRC M6/C6/ME6	SRC M6/ME6	SRC M6/ME6	SRC E5*4

Note 2: *If this product is used in a low-temperature environment close to the minimum temperature specified for similar products, or during long periods of non-operation such as holidays and overnight.

Note 3: *If the robot needs to be installed on the ceiling or wall, the motion parameters will be linited. Please contact technical support for details.

Note 4: *For information regarding the 5th Gen controller cabinet, Please contact technical support for details.

TECHNICAL PARAMETERS

		SR210A-210/2.65	SR210A-210/3.05-DW	SR220A-125/3.10	SR220A-220/2.66	SR270A-220/3.21	SR270A-270/2.70	SR360A-280/3.20	SR360A-360/2.83	SR500A-500/2.52	SP120A-120/2.50	SP180A-180/3.15
Max.load capacity		210kg	210kg	125kg	220kg	220kg	270kg	280kg	360kg	500kg	120kg	180kg
Repeatability		±0.06mm	±0.06mm	±0.06mm	±0.06mm	±0.06mm	±0.06mm	±0.1mm	±0.1mm	±0.1mm	±0.1mm	±0.08mm
Max.reach		2658mm	3050mm	3100mm	2660mm	3218mm	2700mm	3200mm	2830mm	2525mm	2500mm	3150mm
Controlled axes		6	6	6	6	6	6	6	6	6	4	4
Motion Range	J1	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°
	J2	+60°, -76°	+40°, -155°	+60°, -80°	+60°, -80°	+60°, -80°	+60°, -80°	±75°	±75°	+50°, -90°	+45°, -85°	+42°, -85°
	J3	+165°, -78°	+170°, -70°	+180°, -78°	+180°, -78°	+168°, -74°	+168°, -74°	±65°	±65°	+165°, -70°	±65°	±70°
	J4	±355°(±180°) *1	±360°	±300°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°
	J5	±125°	±125°	±125°	±125°	±125°	±125°	±125°	±125°	±120°	-	-
	J6	±360°(±180°) *1	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	-	-
Maximum Speed	J1	100°/s	90°/s	130°/s	120°/s	120°/s	120°/s	100°/s	100°/s	75°/s	149°/s	125°/s
	J2	90°/s	80°/s	115°/s	105°/s	100°/s	100°/s	90°/s	90°/s	65°/s	129°/s	110°/s
	J3	85°/s	85°/s	125°/s	110°/s	100°/s	100°/s	90°/s	90°/s	65°/s	129°/s	125°/s
	J4	120°/s	160°/s	180°/s	165°/s	166°/s	166°/s	120°/s	120°/s	100°/s	400°/s	310°/s
	J5	120°/s	120°/s	180°/s	150°/s	150°/s	140°/s	110°/s	110°/s	100°/s	-	-
	J6	190°/s	220°/s	260°/s	220°/s	220°/s	210°/s	160°/s	160°/s	160°/s	-	-
Moment	J4	1274N·m	1274N·m	710N·m	1360N·m	1360N·m	1785N·m	1700N·m	1960N·m	3010N·m	-	-
	J5	1274N·m	1274N·m	710N·m	1360N·m	1360N·m	1500N·m	1630N·m	1960N·m	3010N·m	-	-
	J6	686N·m	686N·m	355N·m	735N·m	735N·m	950N·m	950N·m	1050N·m	1420N·m	-	-
Inertia	J4	120kg·m²	120kg·m²	147kg·m²	147kg·m²	147kg·m²	340kg·m²	215kg·m²	260kg·m²	510kg·m²	28kg·m²	90kg·m²
	J5	120kg·m²	120kg·m²	147kg·m²	147kg·m²	147kg·m²	340kg·m²	215kg·m²	260kg·m²	510kg·m²	-	-
	J6	70kg·m²	70kg·m²	82kg·m²	82kg·m²	82kg·m²	260kg·m²	140kg·m²	160kg·m²	320kg·m²	-	-
Ambient conditions*2	Temp.	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃	0-45℃
	Humidity	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)	≤90RH (No Condensation)
Body Weight		1400kg	1500kg	1170kg	1150kg	1380kg	1382kg	2100kg	2110kg	2450kg	1000kg	1070kg
IP Class(Wrist)		IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP54	IP54
Installation*3		Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
Pre-installed Signal Cables		32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor	32cores,0.2m ㎡ per conductor
Controller		SRC G5/M6/ME6	SRC G5*4	SRC M6/ME6	SRC M6/ME6	SRC L6/LE6	SRC L6/LE6	SRC L6/LE6	SRC L6/LE6	SRC L5*4	SRC M6/ME6	SRC M6

Note 1: *For the spot welding application version, the motion range of J4 and J6 axes is ±180°.

Note 2: *If this product is used in a low-temperature environment close to the minimum temperature specified for similar products, or during long periods of non-operation such as holidays and overnight.

Note 4: *For information regarding the 5th Gen controller cabinet, Please contact technical support for details.

SIASUN CONTRILLER

The SRC 6th Gen Controller marks a major leap forward in maximizing robotic performance. Boasting a redesigned look, upgraded capabilities, and lower power usage, it is the ideal choice for a safer, more efficient, and sustainable future.

Flexible deployment

Modular design, compact structure, space-saving.

High integration

Integrated drive and control with rich expansion interfaces, easy to integrate and install.

Efficient protection

Internal circulation isolated heat dissipation, effectively dustproof.

	SRC S6	SRC C6	SRC M6/ME6	SRC L6/LE6
Weight	9kg	30kg	98kg/145kg	145kg/155kg
Size(W×D×H) mm	340 × 320 × 133	430 × 400 × 255	M6:710 × 550 × 776.5 ME6:710 × 550 × 1200	L6:790 × 590 × 1056.5 LE6:790 × 590 × 1383
Power Supply	220VAC(±10%) 1 phase,50/60Hz		380VAC(±10%) 3 phase,50/60Hz	
I/0	16 DI / 16 DO, NPN type; 16 DI / 16 DO, PNP type (optional); expandable up to 64 DI/DO maximum.*1			
Storage Capacity	4GB			
Temp.and Humidity	0℃—+45℃(During Operation), ≤90%RH(No Condensation)			
IP Class	IP20	IP20	IP54*2	IP54
Industrial Ethernet (○ :Supported -:Not supported)				
TCP/IP	○	○	○	○
Modbus TCP master/slave	○	○	○	○
Profinet master/slave	○	○	○	○
EtherNet/IP master/slave	○	○	○	○
EatherCat slave (optional)	○	○	○	○
Fieldbus (○ :Supported -:Not supported)				
DeviceNet Master	–	○	○	○
CC-Link Slave (optional)	–	–	○	○

Note1:SRC S6 SRC C6 not supported for IO expansion

Note2: SR12/SR25 Series - M6 Cabinet Protection Ratings: IP54-rated enclosure with rear compartment IP22 protection.

SIASUN
TEACHING PENDANT

	STBV2A	STB2B-H
Size	348.1 ×205.76 ×46.8mm	372×164×48mm
Screen	7-inch touchscreen, resolution 800×480, with touch pen and function keys.	8-inch touchscreen, resolution 800×600, function keys.
IP Class	IP65	IP54
Cable Length	Cable length options: 9m, 15m, or 25m available.	

DIVERSE APPLICATIONS

3C Electronics

Automotive Parts

Automotive Vehicles

New Energy

Food Processing

Logistics Palletizing

Metal Processing