CONTROL BOX

SIASUN controller integrates high-performance hardware with powerful software, assuring efficient data processing and precise control. It supports multiple functions including virtual simulation and machine vision, fostering efficient and intelligent industrial automation advancement through intelligent upgrades.

Easy to operate
Touchscreen teaching interface enables easy learning and operation, providing a more intuitive, rapid, and efficient experience.

Flexible in deployment
Modular design with a compact structure ensures flexibility and convenience, saving space efficiently.

Highly integrated
Integrated drive system with a multitude of external interfaces, facilitating expansion and catering to customized needs.

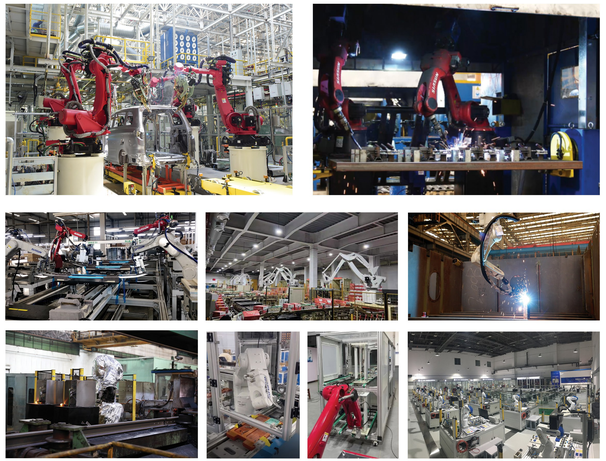
Energy efficient
Common DC bus architecture, with internal circulation and isolated cooling systems, effectively prevents dust accumulation and ensures efficient heat dissipation.

	SRC C5	SRC M5	SRC E5	SRC G5	SRC L5
Weight	15kg	70kg	80kg	180kg	170kg
Size(mm)	505*385*216	655*495*737	713*552*737	711*555*1060	790*592*1060
Control System	SIASUN 2023 Control System Edition				
Teach Pendant	Color Touchscreen, 8-inch with 800*600 Resolution, Single-hand Three-stage Safety Switch				
Swtich	Emergency Stop Button, Mode Switch, Enable Switch.				
Memory	CFast				
Storage Capacity	4GB				
Ambient Temperature	0℃—+45℃（During Operation）, -20℃—+60℃（Transportation and Storage）				
Relative Humidity	≤90%RH（No Condensation）				
Power Supply	Single-phase AC220V (-15%~+10%),50/60Hz	Three-phase AC380V (-15%~+10%),50/60Hz	Three-phase AC380V (-15%~+10%),50/60Hz	Three-phase AC380V (-15%~+10%),50/60Hz	Three-phase AC380V (-15%~+10%),50/60Hz
I/0 Interfaces	Standard NPN type with 16DI/16DO , with optional PNP type available, expandable up to 64 DI/DO				
Bus Communication	Standard interfaces include RS232, DeviceNet Master, Profinet Master, and Modbus TCP Slave. Optional interfaces available are DeviceNet Slave, Profinet Slave, Modbus TCP Master, CC-Link Slave, and EtherNet/IP Slave.				
IP Class	IP32	IP54(Rear Compartment IP22)	IP54(Rear Compartment IP22)	IP54(Rear Compartment IP22)	IP54

DIVERSE APPLICATIONS

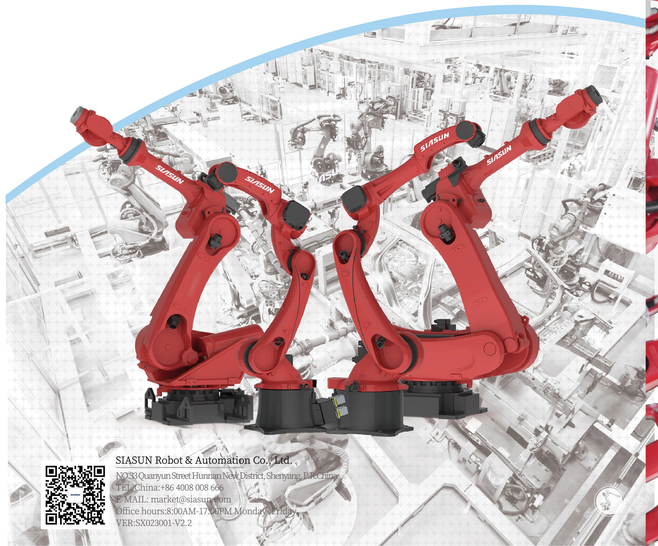
SIASUN industrial robots, merging the pinnacle of technological strength, display exceptional smart control, safety, reliability, and high performance. They extensively empower pivotal segments of the national economy, spanning from automotive to electronics, heavy industries to food and pharmaceuticals. Siasun is ubiquitous, catalyzing the transition towards industrial intelligence and substantially boosting productivity and product quality standards.

Based in China, serving globally! SIASUN proactively strategizes its global footprint with overseas branches and regional hubs set up in Singapore, Thailand, Malaysia, Germany, Mexico, Japan, and beyond. It maintains specialized project engineering teams and avant-garde R&D and production facilities internationally, facilitating localized execution and support for overseas endeavors.



SIASUN 新松机器人

SIASUN Industrial Robotics Product-Brochure



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PRODUCT ADVANTAGES

PRECISION—Exact Control and Precision

Advanced servo control systems enable millimeter-level precision control, ensuring the fulfillment of high-accuracy assembly and processing requirements.

SWIFT - Agile and Flexible

Streamlined exterior, compact structure, and a high-rigidity lightweight body combined with powerful drives ensure rapid response to task changes, adapting seamlessly to diversified production line configurations.

INTEGRATION-Deep Integration

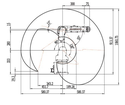
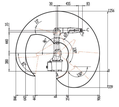
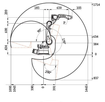
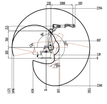
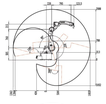
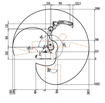
Featuring integrated optimization and a wealth of external interfaces, our system seamlessly integrates with various production lines and systems, accelerating digital transformation for enterprises.

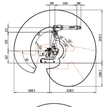
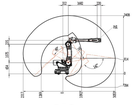
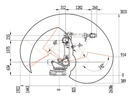
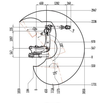
STEADFAST - Robust and Dependable

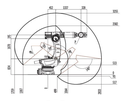
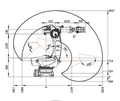
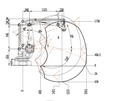
The perfect fusion of high-quality hardware configurations with exceptional cost-effectiveness ensures prolonged stable operation, reduces failure rates, and enhances production continuity.

TECHNICAL PARAMETERS

		SN4A-4/0.58	SN7B-7/0.90	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	SR210A-210/2.65	SR210A-210/3.05-DW	SR270A-270/2.70	SR500A-360/2.83	SR500A-500/2.52	SP120A-120/2.50
Max.load capacity at wrist		4kg	7kg	12kg	12kg	25kg	35kg	50kg	70kg	120kg	210kg	210kg	270kg	360kg	500kg	120kg
Repeatability(mm)		±0.02	±0.02	±0.03	±0.07	±0.05	±0.05	±0.05	±0.05	±0.08	±0.06	±0.06	±0.08	±0.1	±0.1	±0.1
Max.reach(mm)		580	906	1465	2010	1803	1803	2158	2158	3053	2658	3050	2700	2833	2525	2500
Controlled axes		6	6	6	6	6	6	6	6	6	6	6	6	6	6	4
Motion Range(°)	J1	±170°	±170°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°
	J2	+90°,−130°	+96°,−130°	+90°,−170°	+90°,−165°	+90°,−165°	+90°,−165°	+90°,−135°	+90°,−135°	+60°,−76°	+60°,−76°	+40°,−155°	+80°,−60°	+50°,−90°	+50°,−90°	+45°,−85°
	J3	+165°,−55°	+165°,−65°	+150°,−90°	+160°,−85°	+160°,−85°	+160°,−85°	+185°,−80°	+185°,−80°	+165°,−78°	+165°,−78°	+170°,−70°	+80°,−180°	+170°,−70°	+165°,−70°	+65°
	J4	±170°	±170°	±180°	±180°	±180°	±180°	±360°	±360°	±355°	±355°(±180°spot welding) *	±360°	±300°	±360°	±360°	±360°
	J5	±120°	±120°	+145°,−160°	+145°,−160°	±180°	±180°	±125°	±125°	±125°	±125°	±125°	±125°	±120°	±120°	-
	J6	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°	±360°(±180°spot welding) *	±360°	±360°	±360°	±360°	-
Maximum Speed (°/s)	J1	450	267	200	200	200	185	172	165	105	100	90	120	75	75	150
	J2	318	223	200	220	220	180	160	160	90	90	80	100	65	65	129
	J3	288	315	220	220	220	220	188	188	90	85	85	100	65	65	129
	J4	550	400	400	400	380	350	260	260	170	120	160	166	120	100	400
	J5	450	400	430	430	420	275	260	260	165	120	120	140	110	100	-
	J6	612	600	720	720	550	410	370	365	260	190	220	210	160	160	-
Moment(Nm)	J4	4.59	24	23	23	52	110	218	308	588	1274	1274	1785	2400	3010	-
	J5	4.59	15.2	20	17	52	110	218	308	588	1274	1274	1500	2400	3010	-
	J6	3.1	9.7	9	9	32	62	110	150	343	686	686	950	1420	1420	-
Inertia(kgm²)	J4	0.2	0.75	0.4	0.4	2.4	4	30	30	59	120	120	340	510	510	28
	J5	0.2	0.26	0.38	0.35	2.4	4	30	30	59	120	120	340	510	510	-
	J6	0.08	0.067	0.1	0.1	1.2	1.5	9	12	22	70	70	260	320	320	-
Body Weight(kg)		22	52	120	250	250	260	530	530	1300	1400	1500	1230	2450	2450	1000
Protection(Wrist)		IP67	IP67	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP67	IP67	IP67	IP67	IP67	IP54
Pre-installed Signal Cables		8cores,0.12mm² per conductor	8cores,0.12mm² per conductor	16cores,0.2mm² per conductor	16cores,0.2mm² per conductor	16cores,0.2mm² per conductor	16cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor	32cores,0.2mm² per conductor
Installation		Floor,Ceiling	Floor,Ceiling	Floor,Ceiling,Wall	Floor,Ceiling	Floor,Ceiling	Floor,Ceiling	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
Controller Type		SRC C5	SRC C5	SRC M5/SRC E5	SRC E5	SRC M6	SRC M6	SRC E5	SRC M6	SRC E5	SRC G5(Panasonic Motors) /SRC E5(Domestic Motors)	SRC G5	SRC L6	SRC L5	SRC L5	SRC M6

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