

# Ultra-compact, fast and accurate

# FANUC

## SCARA ROBOT SR-6iA

**BRAKE RELEASE SWITCH**  
allows easy error recovery



**STRONG ARM**  
6 kg max payload



**FANUC** Robot SR-6iA



**INTEGRATED SERVICES**  
I/O, 24VDC, solenoid valves and air  
lines prevent interference contours



**LIGHTWEIGHT DESIGN**  
Ultracompact footprint and robot  
design minimise interference  
with peripheral devices



### Next level of FANUC small robot line-up

- ultra-compact footprint and robot design minimises interference with peripheral devices
- highly suitable for assembly, packaging and material handling operations
- new R-30iB Compact Plus controller with minimum space requirements
- web based user interface (iRProgrammer) for intuitive and ease-of-use programming via tablet or PC (no iPendant Touch required)
- payload capacity of 6 kg - horizontal reach: 650 mm - vertical reach: 210 mm
- integrated services e.g. I/O, 24VDC, solenoid valves and air lines in the arm simplify integration and reduce costs
- bottom cable exit and wall mounting equipment optional available

# SR-6iA



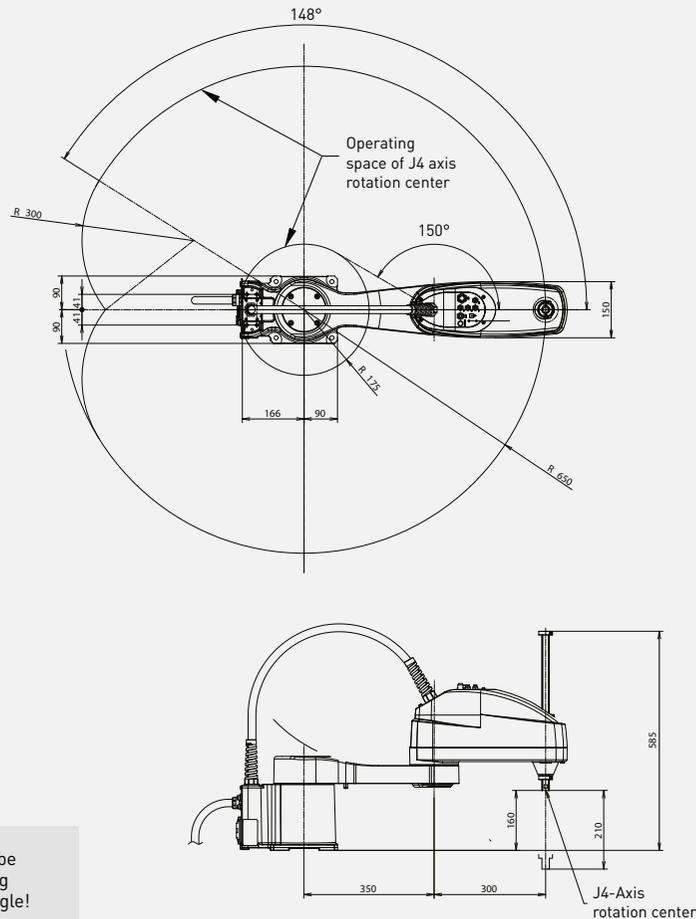
Max. load capacity  
at wrist: **6kg**



Max. reach:  
**650 mm**

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Inertia (kgm <sup>2</sup> )	J5 Inertia (kgm <sup>2</sup> )	J6 Inertia (kgm <sup>2</sup> )
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
4	± 0.01 (J1,J2, J3) ± 0.004 (J4)	30	296	300	210mm	1440	-	-	440	700	2000 mm/sec	2500	-	-	0.12	-	-

## Working range



### Robot

	SR-6iA
Robot footprint [mm]	180 x 256 (397)
Mounting position Floor	●
Mounting position Ceiling	-
Mounting position Angle	-
Mounting position Wall	○



### Controller

	R-30iB Plus
Compact Plus	●
Open air cabinet	-
Mate cabinet	-
A-cabinet	-
B-cabinet	-
iPendant Touch	-

### Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.35

### Integrated services

Integrated signals on upper arm In/Out	4/4
Integrated air supply	2
Integrated solenoid valve	2

### Environment

Acoustic noise level [dB]	<70
Ambient temperature [° C]	0-45

### Protection

Body standard/optional	IP20
Wrist & J3 arm standard/optional	IP20

### Auxiliary

Max. push-down force (Newton)	200
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