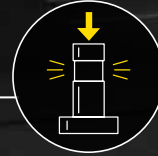


# Ultra-compact, fast and accurate

# FANUC

## NEW SCARA ROBOT SR-6iA

**BRAKE RELEASE SWITCH**  
ALLOWS EASY  
ERROR RECOVERY



**STRONG ARM**  
6 KG MAX PAYLOAD

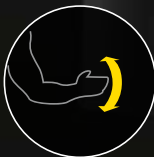


**FANUC** Robot SR-6iA



**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



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# SR-6iA

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

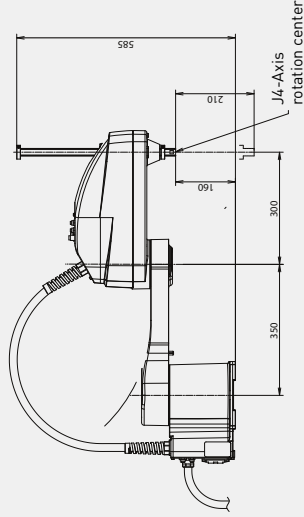
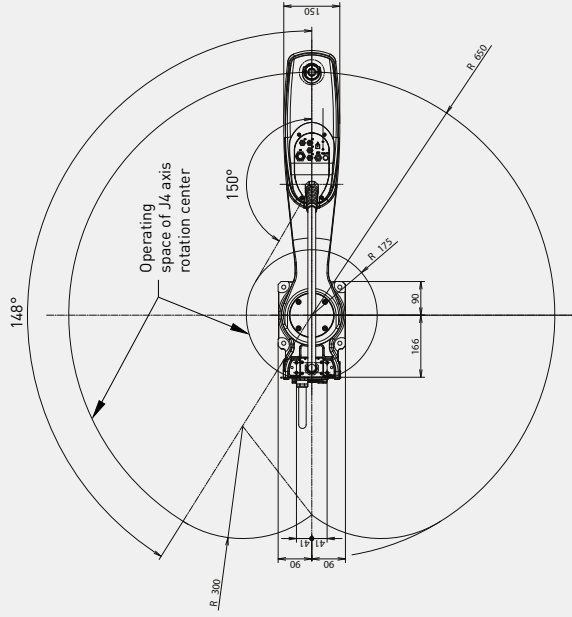


Max. reach:  
**650 mm**



Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]				Inertia (kgm <sup>2</sup> )	Inertia (kgm <sup>2</sup> )	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	720	-	-	440	700	2000 mm/sec	2500	-	-	-

## Working range



Motion range may be  
restricted according  
to the mounting angle!



## Robot

### SR-6iA

Robot footprint [mm]	180 x 258 (399)
Mounting position Floor	•
Mounting position Upside down	-
Mounting position Angle	-
Mounting position Wall	○



## Controller

### R30iB 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]	0.2

## Integrated services

Integrated signals on upper arm In/Out	4/4
Integrated air supply	3
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. composite speed at TCP (J1 + J2) [mm/sec]	-
Max. push-down force [Newton]	-

• standard    ○ on request    - not available    [ ] with hardware and/or software option