FANUC

The cleanroom and food applications specialist
SR-3*i*A/C

ISO CLASS 5
rated for cleanroom operation

INTEGRATED SERVICES
I/O, 24VDC, solenoid valves and air lines standard on board

RATED IP54
featuring white epoxy coating

FANUC Robot SR-3*i*A/C

STRONG ARM
3 kg max payload, 400 mm reach

Next level accuracy for cleanroom applications

- Rated ISO Class 5 for cleanroom operation
- NSF-H1 food-grade grease and anti-rust bolts for food handling applications
- Equipped of a bellow to protect the spindle during cleaning operation
- Featuring a white epoxy coating and IP54 for protection against contamination from limited amounts of dust and other particles as well as water spray
- Highly suitable for tray food and cleanroom applications that require cleaning procedure
- Ultra-compact footprint and robot design minimise interference with peripheral devices
- Web based user interface (*i*RProgrammer) for intuitive and ease-of use programming via tablet or PC (no *i*Pendant Touch required)
- Integrated services e.g. I/O, 24VDC, solenoid valves and air lines in the arm reduce costs and simplify integration
- Fast cycle time thanks to high speed motion

SR-3*i*A/C

Max. load capacity at wrist: 3 kg

Max. reach: 400 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Inertia (kgm²)	J5 Inertia (kgm²)	J6 Inertia (kgm²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
4	± 0.01 (J1,J2, J3) ± 0.004 (J4)	21	284	290	200mm	1440	-	-	720	780	1800 mm/sec	3000	-	-	0.06	-	-

Working range

142°
R 200
145°
Operating space of J3 axis rotation center
70 70
134 70
R 120.3
R 400

Stroke of J3 axis 721
55
200
200
200 200

Stroke of J3 axis
17
200
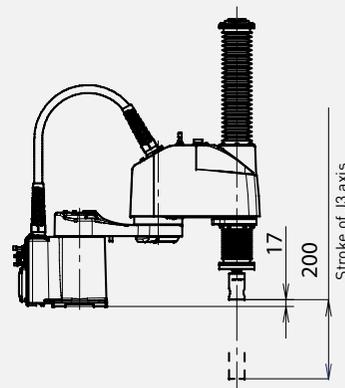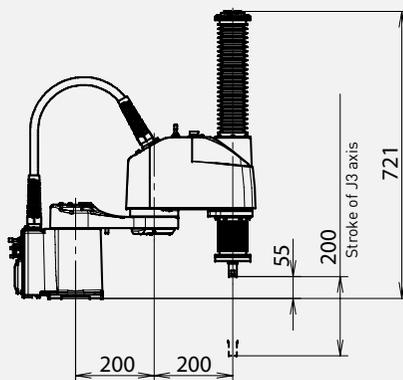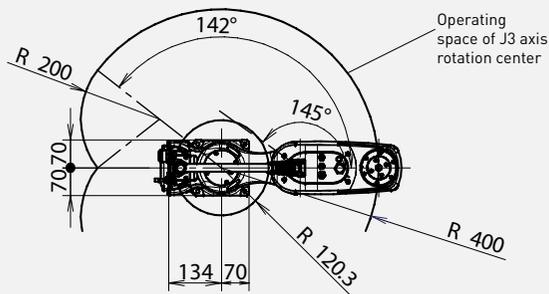
with Tool flange option
(ISO STANDARD FLANGE)

Robot	**SR-3*i*A/C**
Robot footprint [mm]	140 x 204 (343)
Mounting position Floor	●
Mounting position Ceiling	-
Mounting position Angle	-
Mounting position Wall	-

Controller	**R-30*i*B Plus**
Compact Plus	●
Open air cabinet	-
Mate cabinet	-
A-cabinet	-
B-cabinet	-
*i*Pendant Touch	-

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.25

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	IP54
Wrist & J3 arm standard/optional	IP54
Cleanroom class (ISO Class 5)	●

Auxiliary

Max. push-down force (Newton)	150