

# 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

# SR-6iA

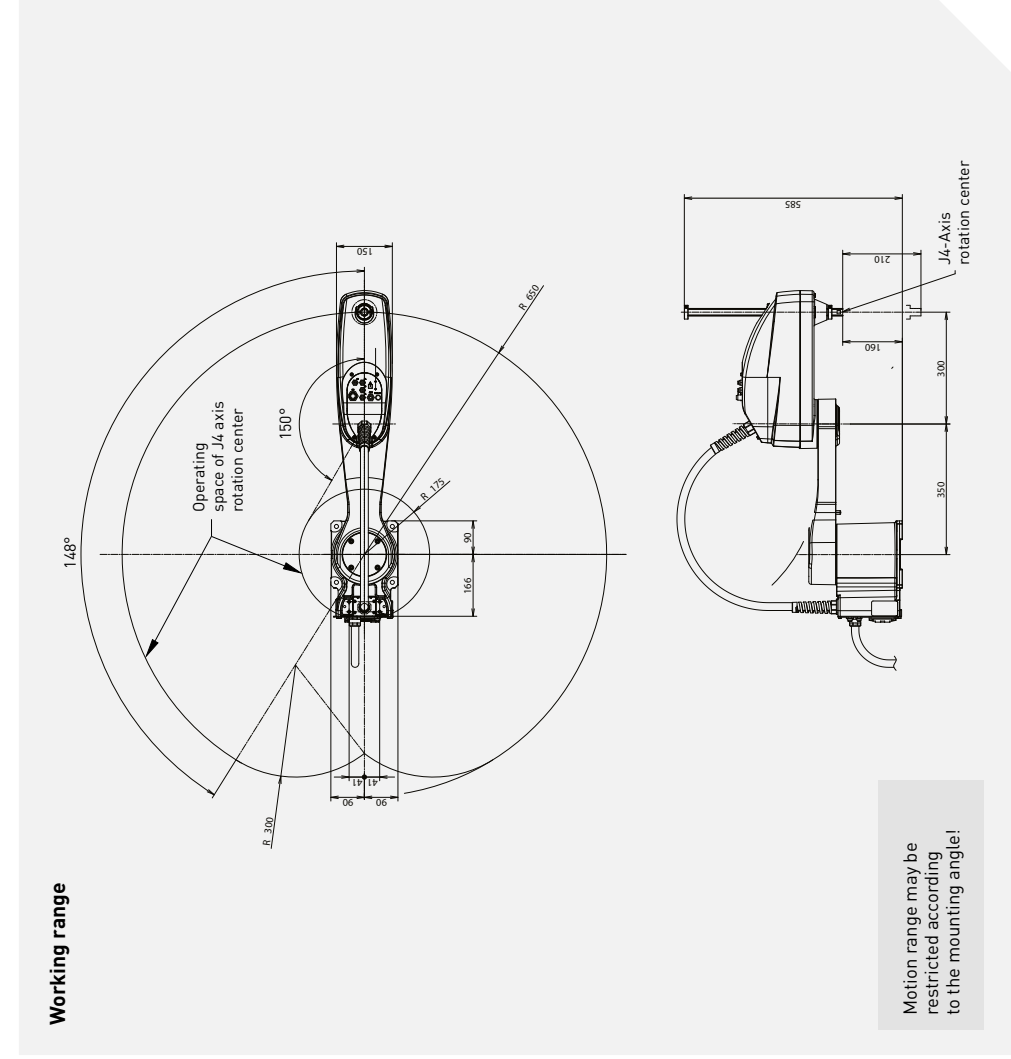


Max. load capacity  
at wrist: **6kg**



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)<br>± 0.004 (J4) | 30                     | 296              | 300 | 210mm | 720 | -  | -  | 440                 | 700 | 2000<br>mm/sec | 2500 | -  | -  | 0.12                        | -                           | -                           |



|  |                    |
|--|--------------------|
| <b>Robot</b>                           | <b>SR-6iA</b>      |
| Robot footprint [mm]                   | 180 x 258 [399]    |
| Mounting position                      | Floor ●            |
| Mounting position                      | Upside down -      |
| Mounting position                      | Angle -            |
| Mounting position                      | Wall ○             |
| <b>Controller</b>                      | <b>R-30iB Plus</b> |
| Compact Plus                           | ●                  |
| Open air cabinet                       | -                  |
| Mate cabinet                           | -                  |
| A-cabinet                              | -                  |
| B-cabinet                              | -                  |
| iPendant Touch                         | -                  |
| <b>Electrical connections</b>          |                    |
| Voltage 50/60Hz 3phase [V]             | -                  |
| Voltage 50/60Hz 1phase [V]             | 200-230            |
| Average power consumption [kW]         | 0.2                |
| <b>Integrated services</b>             |                    |
| Integrated signals on upper arm In/Out | 4/4                |
| Integrated air supply                  | 3                  |
| Integrated solenoid valve              | 2                  |
| <b>Environment</b>                     |                    |
| Acoustic noise level [dB]              | <70                |
| Ambient temperature [° C]              | 0-45               |
| <b>Protection</b>                      |                    |
| Body standard/optional                 | IP20               |
| Wrist & J3 arm standard/optional       | IP20               |
| <b>Auxiliary</b>                       |                    |
| Max. push-down force (Newton)          | 200                |