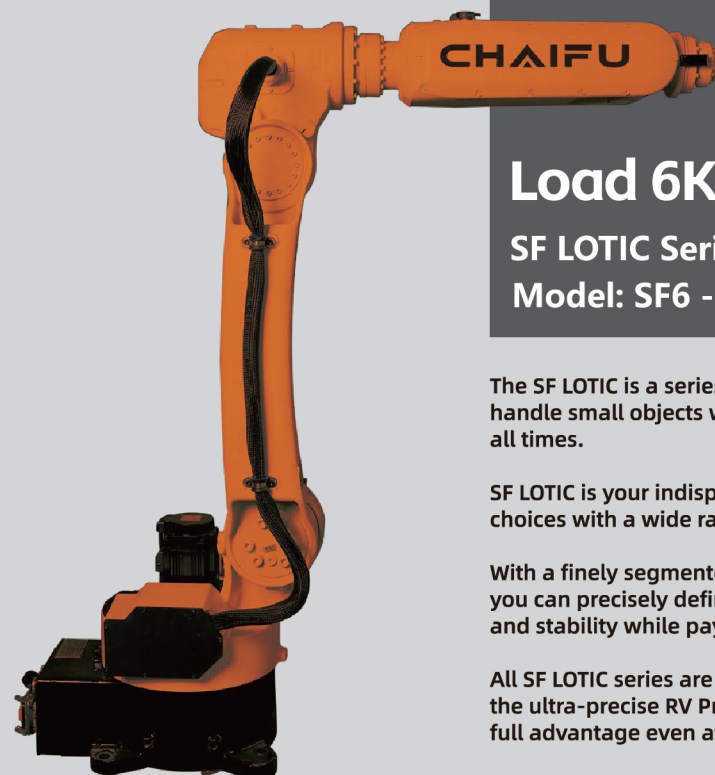




## Load 6Kg

## SF LOTIC Series | Low-Payload Robot

### Model: SF6 - C1200

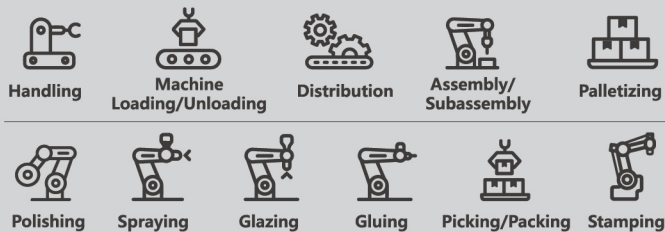
The SF LOTIC is a series of low payload industrial robots tailored to handle small objects with excellent performance and flexibility at all times.

**SF LOTIC is your indispensable helper in making cost-effective choices with a wide range of products.**

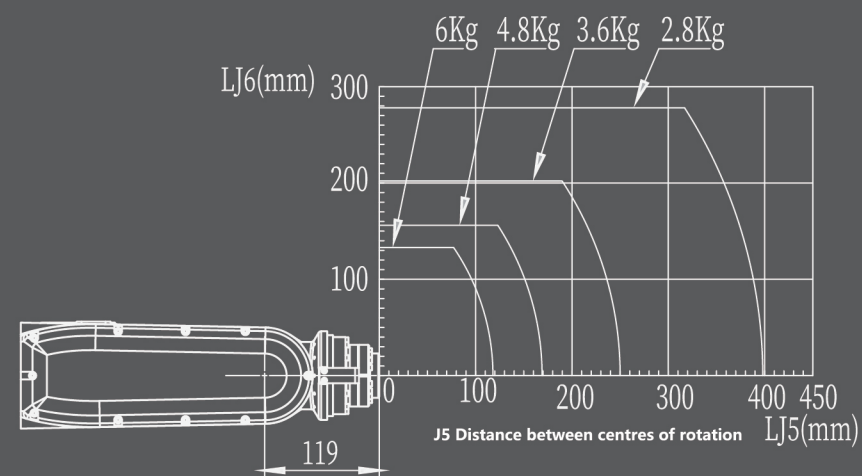
With a finely segmented maximum movement radius of 1200 mm, you can precisely define the robot you need with excellent performance and stability while paying less for investment and energy costs.

All SF LOTIC series are equipped with LIKEPRECISION technology, the ultra-precise RV Precision Gearbox, which allows the robot to take full advantage even at high operating speeds.

## Applications



### SF6-C1200 Wrist load torque chart

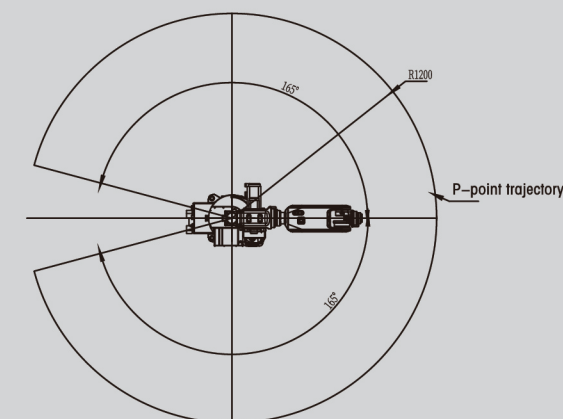
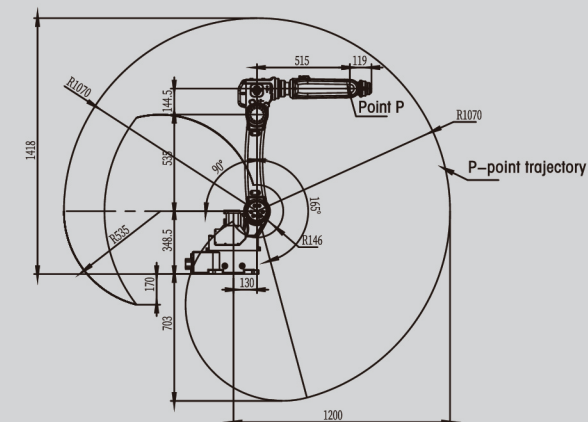


Note: The centre of gravity point of the load should be within the wrist torque diagram when in use

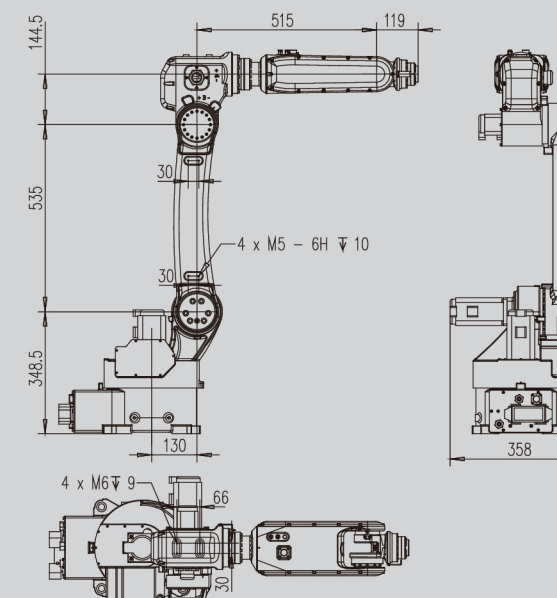
## SF6-C1200 Data Overview

|                      |           |                        |
|----------------------|-----------|------------------------|
| Model                |           | SF6-C1200              |
| Structure            |           | Vertically Articulated |
| Number of Axis       |           | 6                      |
| Radius               |           | 1200mm                 |
| Payload              |           | 6kg                    |
| Repeatability        |           | ±0.05mm                |
| Drive Mode           |           | AC Servo Motor         |
| Maximum Speed        | J1        | 230° /s                |
|                      | J2        | 230° /s                |
|                      | J3        | 200° /s                |
|                      | J4        | 240° /s                |
|                      | J5        | 400° /s                |
|                      | J6        | 600° /s                |
| Range of Motion      | J1        | ±165°                  |
|                      | J2        | +90° /-165°            |
|                      | J3        | +150° /-90°            |
|                      | J4        | ±180°                  |
|                      | J5        | ±120°                  |
|                      | J6        | ±360°                  |
| Allowable Moment     | J4        | 15.6N.M                |
|                      | J5        | 15.6N.M                |
|                      | J6        | 8.5N.M                 |
| Allowable Inertia    | J4        | 0.43kg.m2              |
|                      | J5        | 0.43kg.m2              |
|                      | J6        | 0.13kg.m2              |
| Protection Rating    |           | IP 65                  |
| Operating Conditions | Temp.     | 0-45°C                 |
|                      | Humidity  | Below 95%RH            |
|                      | Vibration | Below 4.9m/s2          |
|                      | Other     | Eliminate Signal Noise |
| Base Size            |           | 280*362mm              |
| Height               |           | 1096mm                 |
| Weight               |           | 72KG                   |
| Mounting Positions   |           | Floor、Wall、Ceiling     |
| Power Consumption    |           | 1.5kVA                 |

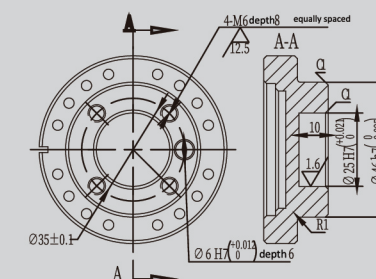
## SF6-C1200 Range of Motion



## External & Installation Dimensions



### A-Way Diagram (End Flange Mounting Dimensions)



### B-Way Diagram (Base Mounting Dimensions)

