

SF LOTIC Series | Low-Payload Robot

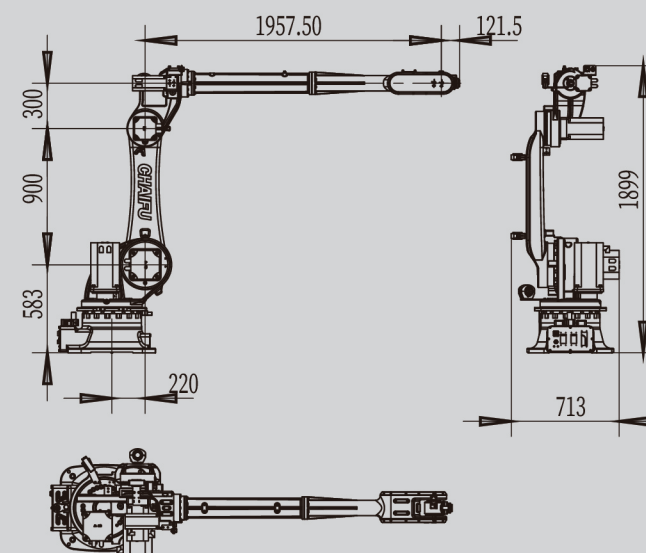
Model: SF10 - K3100

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.

Handling	Machine Loading/Unloading	Distribution	Assembly/Subassembly	Palletizing
Polishing	Spraying	Glazing	Gluing	Picking/Packing
Stamping	Stamping			

Model		SF10-K3100
Structure		Vertically Articulated
Number of Axis		6
Radius		3100mm
Payload		10kg
Repeatability		±0.05mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	125° /s
	J2	125° /s
	J3	140° /s
	J4	200° /s
	J5	210° /s
	J6	290° /s
Range of Motion	J1	±172°
	J2	+72° /-140°
	J3	+150° /-80°
	J4	±360°
	J5	±125°
	J6	±360°
Allowable Moment	J4	22N.M
	J5	22N.M
	J6	10N.M
Allowable Inertia	J4	1kg.m2
	J5	1kg.m2
	J6	0.2kg.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		573*629mm
Height		1899mm
Weight		596KG
Mounting Positions		Floor、Wall、Ceiling
Power Consumption		4.5kVA

External & Installation Dimensions



Technical drawing of a circular part with a cross-section A-A. The front view shows a circular part with a diameter of $\varnothing 35 \pm 0.1$ and 12 equally spaced holes. The cross-section A-A shows a rectangular profile with a width of 10, a height of $\varnothing 25 \text{ H7/0}$, and a depth of 6. The part has a 4-M6 thread and a 12.5 degree chamfer.

Technical drawing of a square flange with dimensions and tolerances:

- Overall width: 420 ± 0.1
- Overall height: 245 ± 0.03
- Inner square hole: 420 ± 0.1
- Top holes: $2 \cdot \varnothing 20 \begin{smallmatrix} +0.033 \\ 0 \end{smallmatrix}$ through holes
- Bottom holes: $4 \cdot \varnothing 20$ through holes
- Bottom hole depth: 1.1235 ± 0.5
- Bottom hole diameter: $\varnothing 22$ through holes