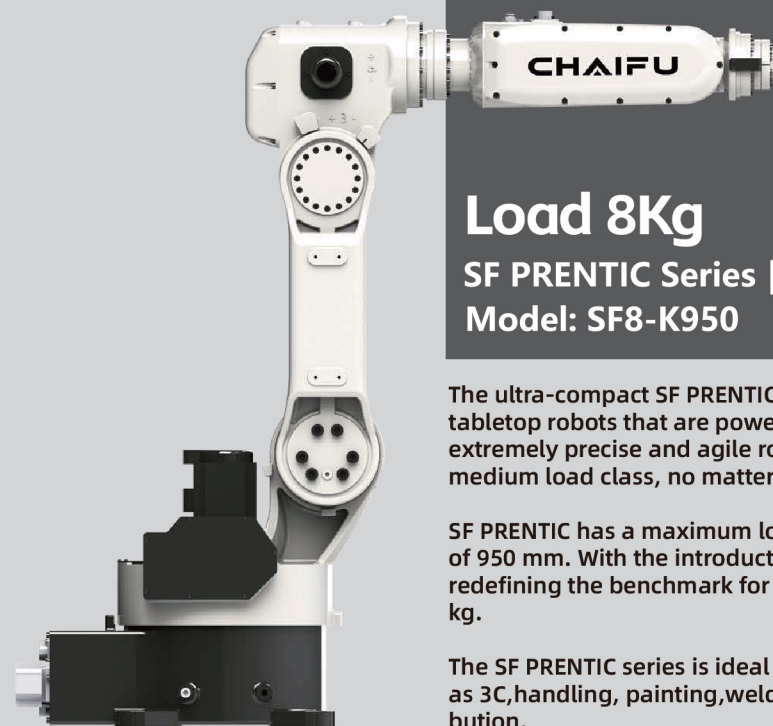




Load 8Kg

SF PRENTIC Series | Desktop robots
Model: SF8-K950

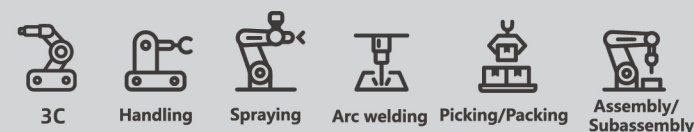
The ultra-compact SF PRENTIC series are compact and flexible tabletop robots that are powerful, fast, and efficient, enabling extremely precise and agile robots for various applications in the medium load class, no matter how small the parts are.

SF PRENTIC has a maximum load capacity of 8 kg and an arm span of 950 mm. With the introduction of the SF PRENTIC series, We are redefining the benchmark for robots in the tabletop class below 8 kg.

The SF PRENTIC series is ideal for applications in tight spaces such as 3C, handling, painting, welding, pick/pack, and assembly/distribution.

This desktop-class robot is tailored for the pursuit of performance and throughput.

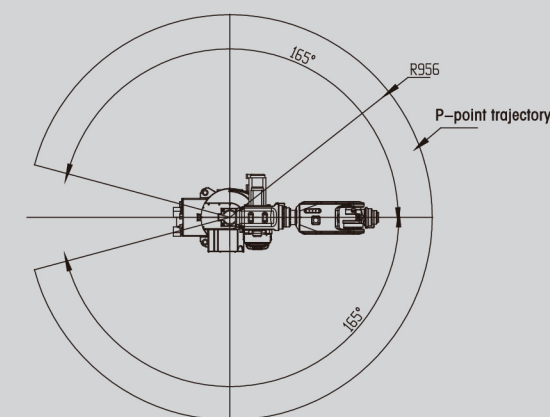
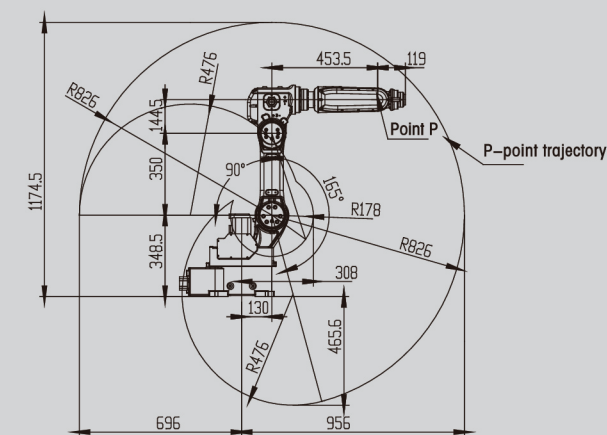
Applications



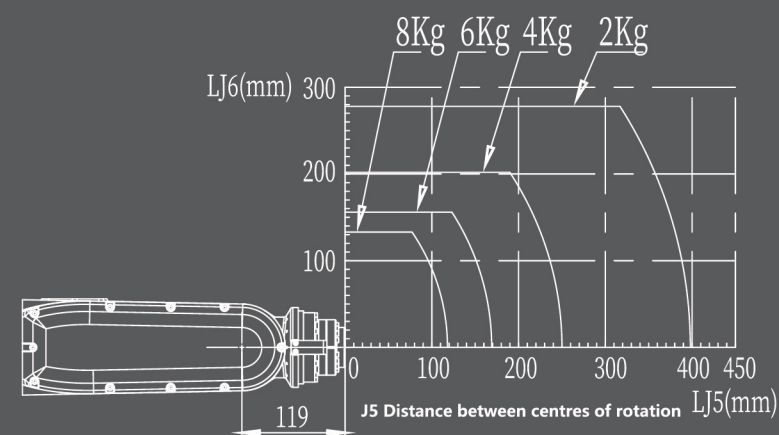
SF8-K950 Data Overview

Model		SF8-K950
Structure		Vertically Articulated
Number of Axis		6
Radius		956mm
Payload		8kg
Repeatability		±0.03mm
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° /-160°
	J3	+148° /-89°
	J4	±180°
	J5	±119°
	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		IP65
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size		280*362mm
Height		911.5mm
Weight		66KG
Mounting Positions		Floor、Wall、Ceiling
Power Consumption		1.5kVA

SF8-K950 Range of Motion

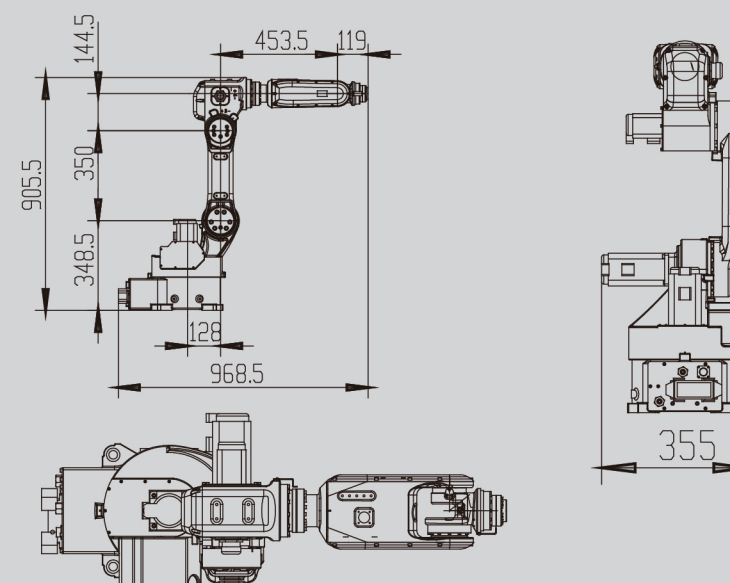


SF8-K950 Wrist load torque chart

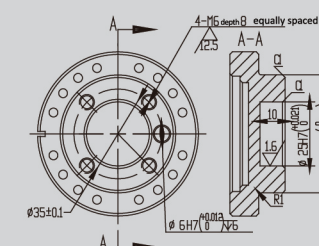


Note: The centre of gravity point of the load should be within the wrist torque diagram when in use

External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

