

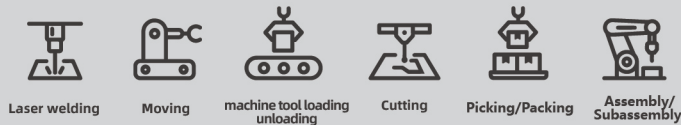


Load 25Kg

ARC series | welding robot
Model: SF25-C1887

In the field of industrial laser welding, the Chaifu ARC Series SF25-C1887 welding robot plays a key role in laser welding applications. Leveraging high precision, speed, and programmability, industrial robots provide efficient and accurate laser welding solutions. Laser welding achieves a non-contact welding process through a high-energy-density laser beam, boasting advantages such as high precision, automation, flexibility, and high-quality control. Industrial robots under the ARC product series deliver better performance and higher power density for laser welding, cutting, material handling, machine tool loading/unloading, picking/packaging, and assembly/sub-assembly. They can achieve greater economic benefits at the lowest cost. The SF25-C1887 adopts a modular design, allowing customers to configure their own power supplies. The system uses PWM communication and lasers to implement data control. Through fine grading, enhanced core computing, and speed switching technology for acceleration and deceleration at different distances, the equipment maintains stable, fast, and efficient performance regardless of long or short distances, thereby achieving higher efficiency and economic benefits.

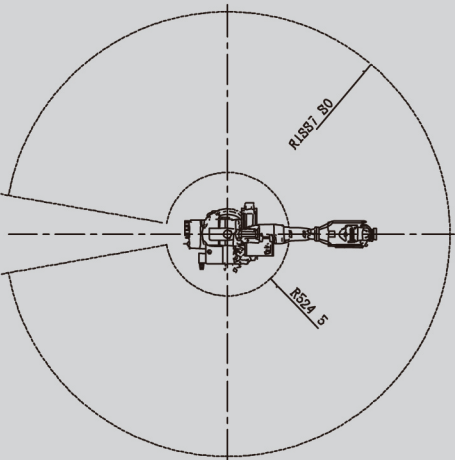
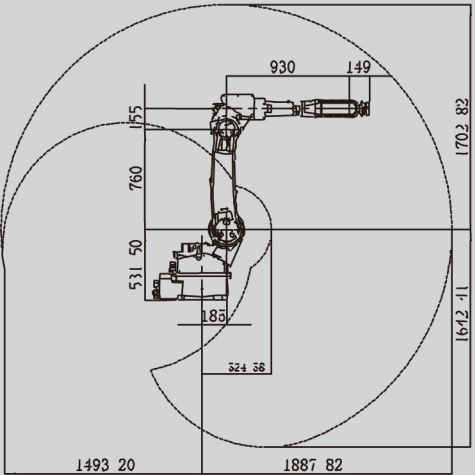
Applications



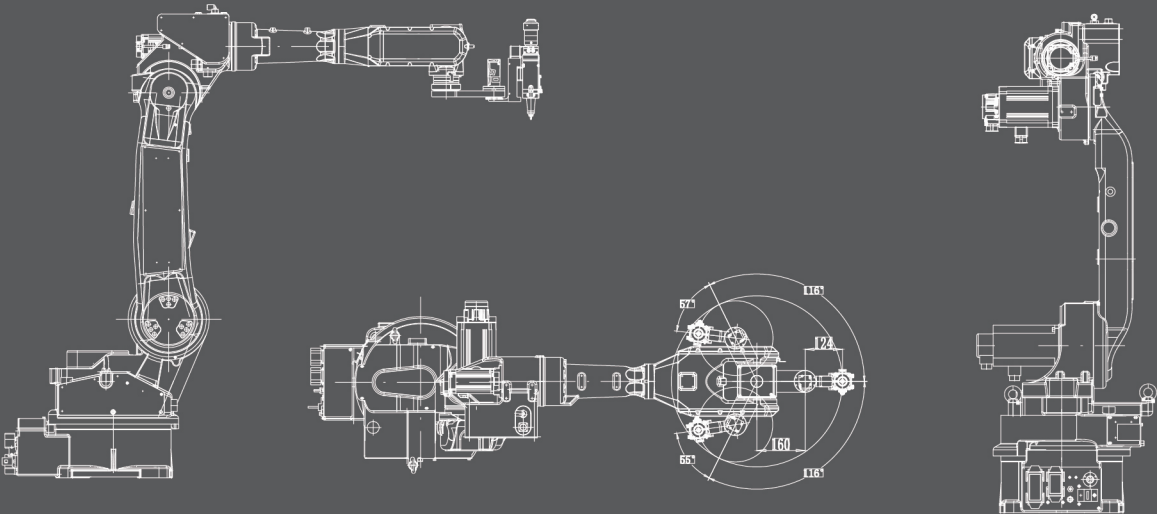
SF25-C1887 Data Overview

Model	SF25-C1887	
Structure	Vertically Articulated	
Number of Axis	6	
Radius	1887mm	
Payload	25kg	
Repeatability	±0.06mm	
Drive Mode	AC Servo Motor	
Maximum Speed	J1	185°/s
	J2	185°/s
	J3	210°/s
	J4	380°/s
	J5	300°/s
	J6	350°/s
Range of Motion	J1	±170°
	J2	+100°/-157°
	J3	+90°/-80°
	J4	±170°
	J5	±130°
	J6	±220°
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	396*396mm	
Height	1561mm	
Weight	293KG	
Mounting Positions	Floor	
Power Consumption	3.8kVA	

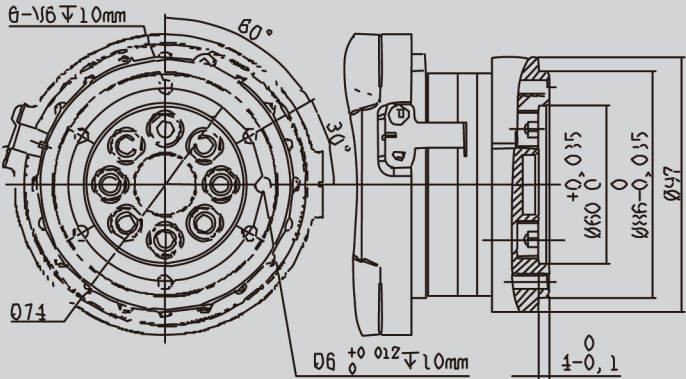
SF25-C1887 Range of Motion



SF25-C1887Wrist load torque chart



A-Way Diagram (End Flange Mounting Dimensions)



View B (Base Mounting Dimensions)

