



Load 800Kg

ALPHTIC series heavy-duty robot
Model: SF800-C2850

ALPHTIC is a heavy-duty robot with more power and advanced technology, ideal for a variety of applications with large and high loads, and its rugged construction makes ALPHTIC the perfect combination of power and technology.

ALPHTIC is CHAIFU's heavy-duty robot that is perfectly suited to any application with its ultra-high craftsmanship and robust structural design. The powerful motor and gearbox will spare no effort to complete a variety of heavy duty tasks. Up to 2850mm of work travel allows it to cope in small working units. Thanks to the three core components of CHAIFU, even in the heavy-duty field, it can still achieve low cost, high efficiency, low maintenance costs and convincing characteristics.

All ALPHTIC series use LIKEPRECISION technology, the higher precision joint Reducer RV (Rotate Vector Reducer), even at high speed operation, the robot can fully exploit its advantages.

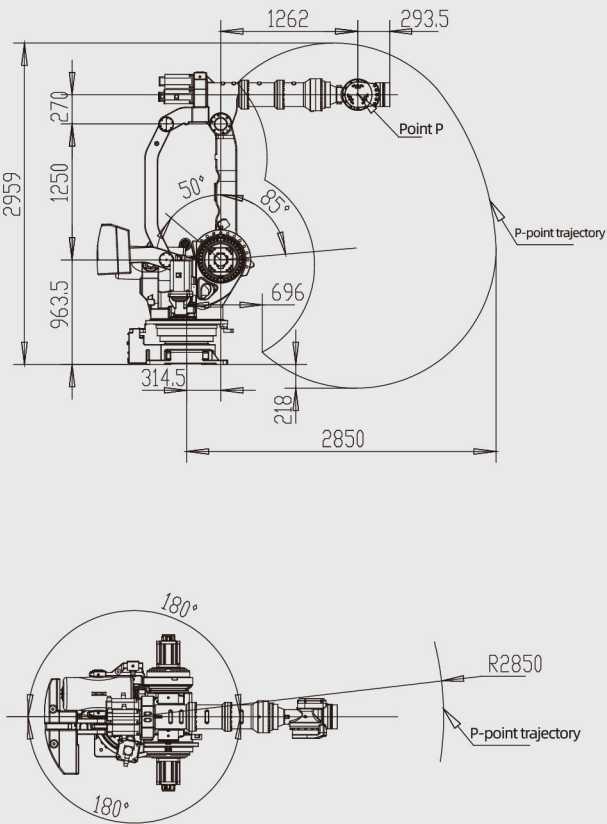
Applications



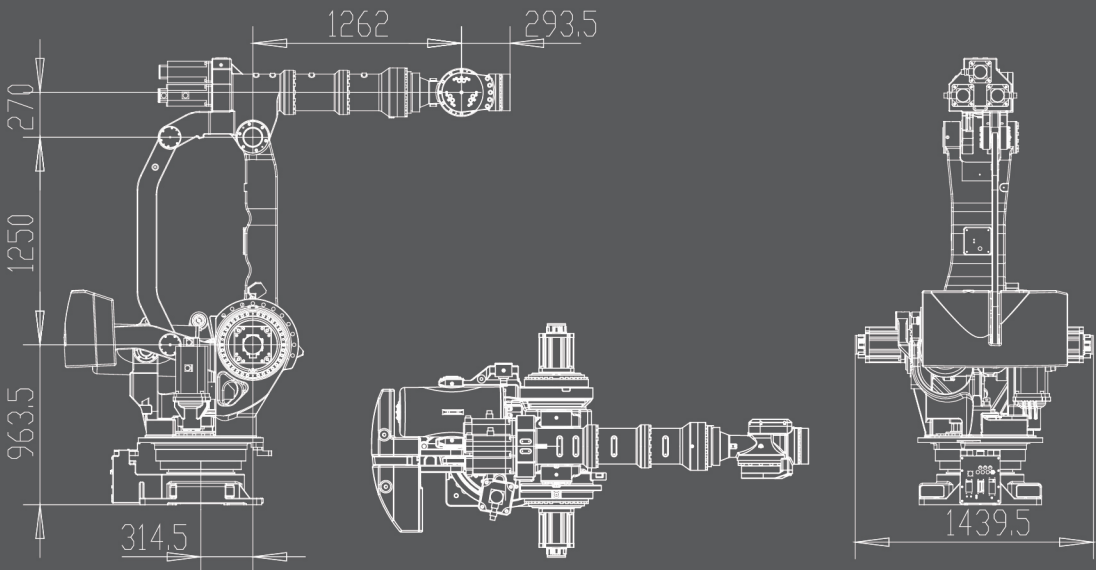
SF800-C2850 Data Overview

Model		SF800-C2850
Structure		Vertically Articulated
Number of Axis		6
Radius		2850mm
Payload		800kg
Repeatability		±0.1mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	93°/s
	J2	64°/s
	J3	65°/s
	J4	100°/s
	J5	88°/s
	J6	133°/s
Range of Motion	J1	±180°
	J2	+50°/-85°
	J3	-120°/+25°
	J4	±360°
	J5	±115°
	J6	±360°
Allowable Moment	J4	1980N.M
	J5	1980N.M
	J6	865N.M
Allowable Inertia	J4	152kg.m2
	J5	152kg.m2
	J6	122kg.m2
Protection Rating		IP 65, Wrist IP 67
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s2
	Other	Eliminate Signal Noise
Base Size		910*739mm
Height		2695mm
Weight		2965KG
Mounting Positions		Floor
Power Consumption		8.7kVA

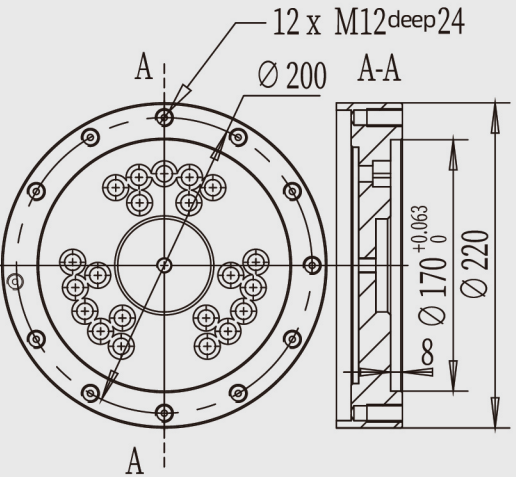
SF800-C2580 Range of Motion



SF800-C2850 External & Installation Dimensions



A-view (end flange installation dimensions)



B-view (base installation dimensions)

