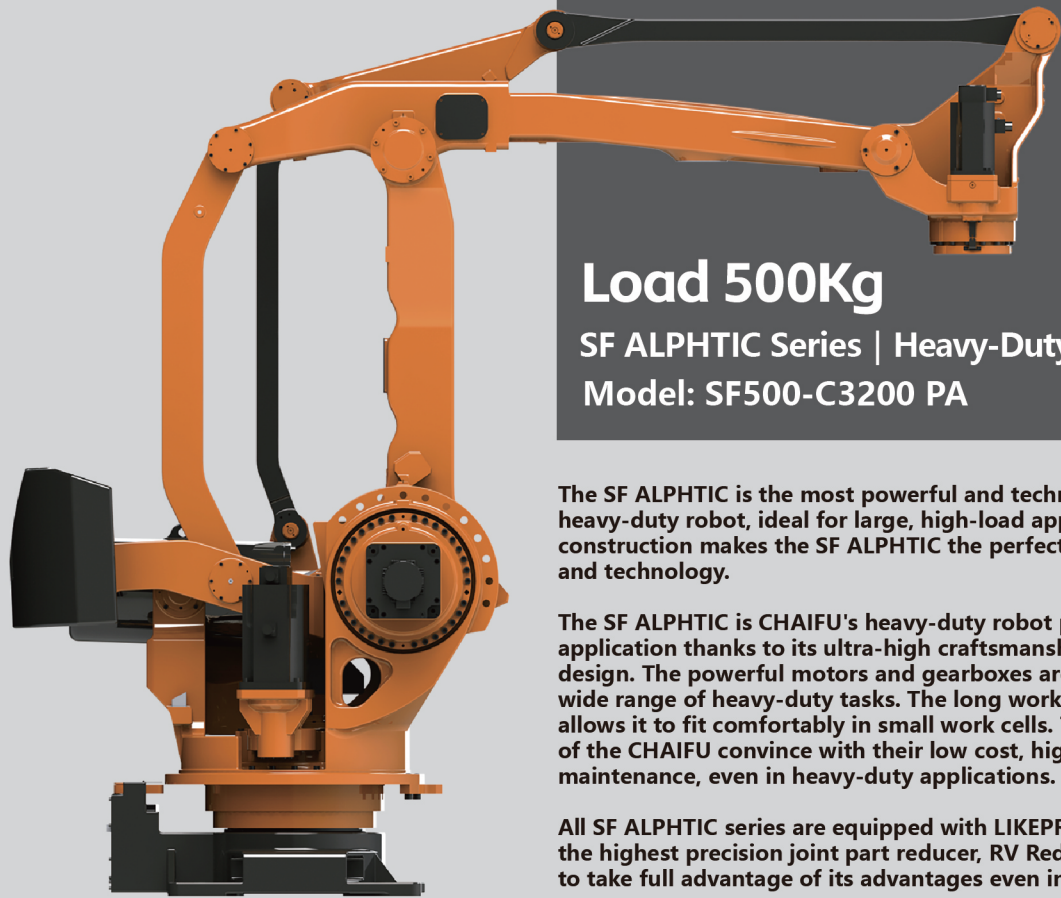




Load 500Kg

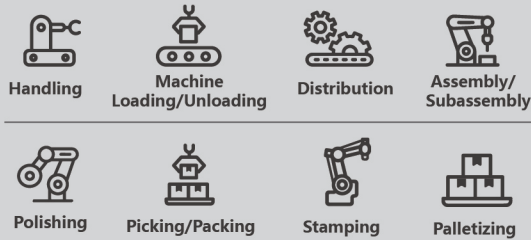
SF ALPHTIC Series | Heavy-Duty Robot
Model: SF500-C3200 PA

The SF ALPHTIC is the most powerful and technologically advanced heavy-duty robot, ideal for large, high-load applications, and its rugged construction makes the SF ALPHTIC the perfect combination of power and technology.

The SF ALPHTIC is CHAIFU's heavy-duty robot perfectly matched to any application thanks to its ultra-high craftsmanship and rugged structural design. The powerful motors and gearboxes are designed to perform a wide range of heavy-duty tasks. The long working stroke of 3,177 mm allows it to fit comfortably in small work cells. The three core components of the CHAIFU convince with their low cost, high efficiency, and low maintenance, even in heavy-duty applications.

All SF ALPHTIC series are equipped with LIKEPRECISION technology and the highest precision joint part reducer, RV Reducer, which enables the robot to take full advantage of its advantages even in high-speed operation.

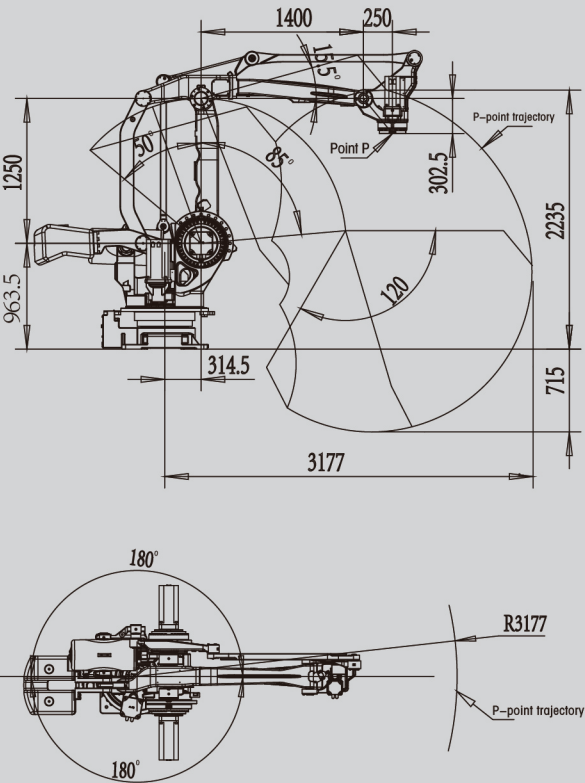
Applications



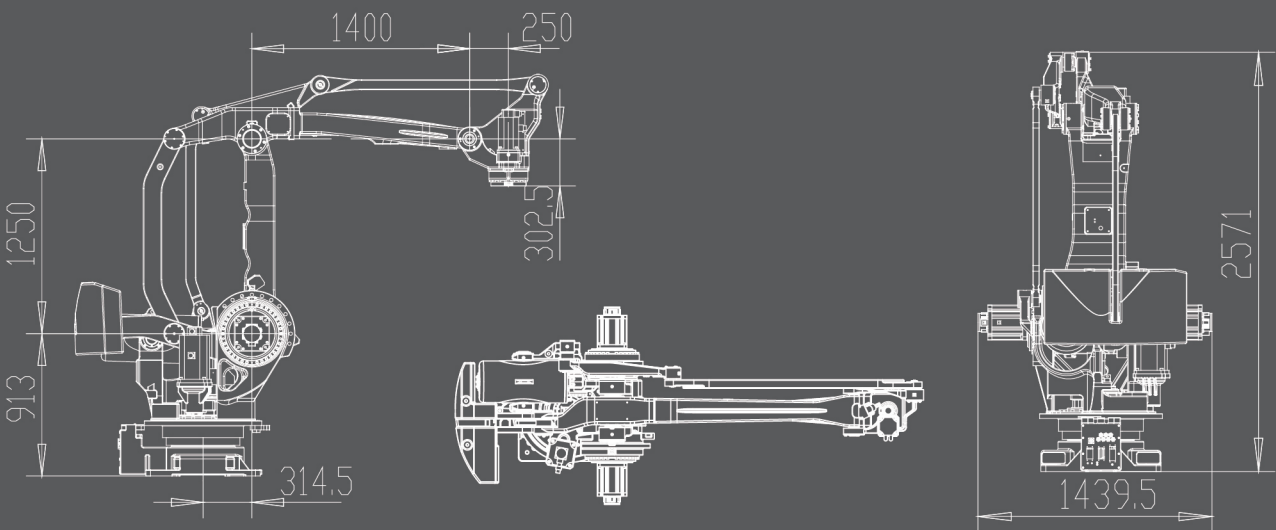
SF500-C3200 PA Data Overview

Model		SF500-C3200 PA
Structure		Vertically Articulated
Number of Axis		4
Radius		3177mm
Payload		500kg
Repeatability		±0.1mm
Drive Mode		AC Servo Motor
Maximum Speed	J1	90°/s
	J2	90°/s
	J3	90°/s
	J4	125°/s
	J5	/
	J6	/
Range of Motion	J1	+180°
	J2	+50°/-85°
	J3	+15.5°/-113°
	J4	±360°
	J3+J2	-130°≤J2+J3≤+60°
	J3-J2	-68°≤J3-J2≤+75°
Allowable Moment	J4	2450N.M
	J5	/
	J6	/
Allowable Inertia	J4	198kg·m ²
	J5	/
	J6	/
Protection Rating		IP 65, Wrist IP 67
Operating Conditions	Temp.	0-45°C
	Humidity	Below 95%RH
	Vibration	Below 4.9m/s ²
	Other	Eliminate Signal Noise
Base Size		910*739mm
Height		2629mm
Weight		2960KG
Mounting Positions		Floor
Power Consumption		8kVA

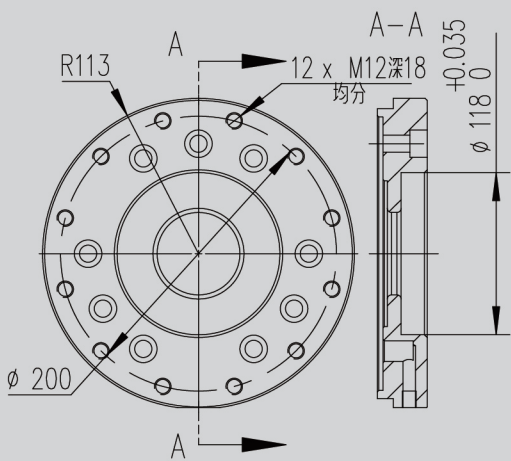
SF500-C3200 PA Range of Motion



SF500-C3200 PA Wrist load torque chart



A-view (end flange installation dimensions)



B-view (base installation dimensions)

