



Load 120Kg

ALPHTIC PA Series | Column rotating palletizer
Model: CF120-C1900 PM

Chaifu Column Rotating Palletizing Robot, an expert in domestic full-servo intelligent palletizing, features a 3-degree-of-freedom (lifting/translating/360° rotating) design. It flexibly adapts to efficient palletizing of various materials such as cartons, bags, and cans in industries like feed, chemical engineering, beverages, and food.

Core Advantages:

Full-servo drive: Precise and efficient (±0.6mm) with stable operation;

Domestic core technology: Equipped with self-developed high-precision RV reducer with a service life of over 20,000 hours;

Sturdy structure: Heavy anti-corrosion technology for resistance to harsh environments;

Intelligent and easy to operate: Graphical interface for convenient maintenance. Relying on Chaifu's R&D strength across the entire industry chain (ontology/RV reducer/control system) and national high-tech enterprise certification, reliable performance is ensured. With 7 service bases nationwide, it provides rapid response support to help enterprises reduce costs and improve efficiency.

Applications



handle



Picking/Packing

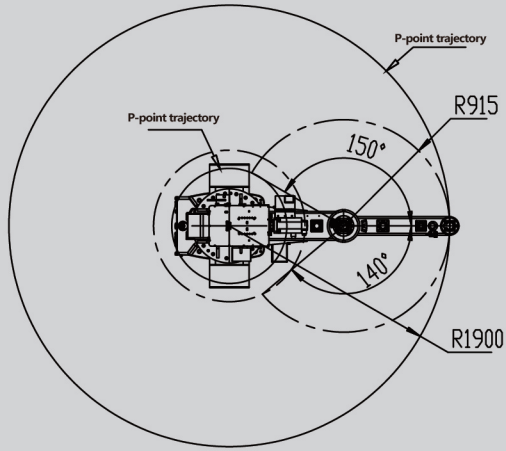
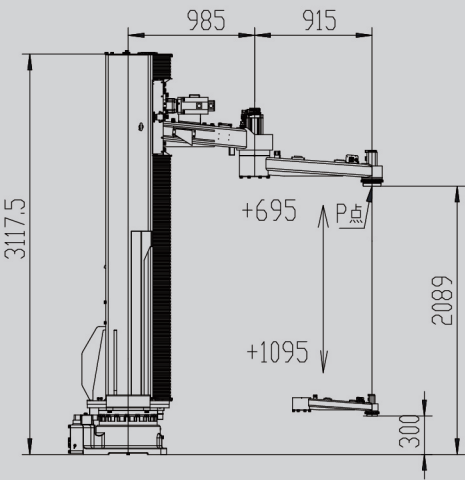


Palletizing

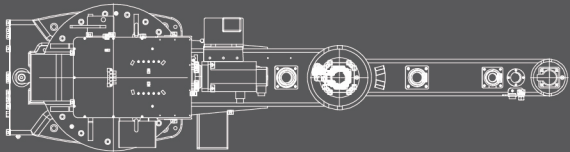
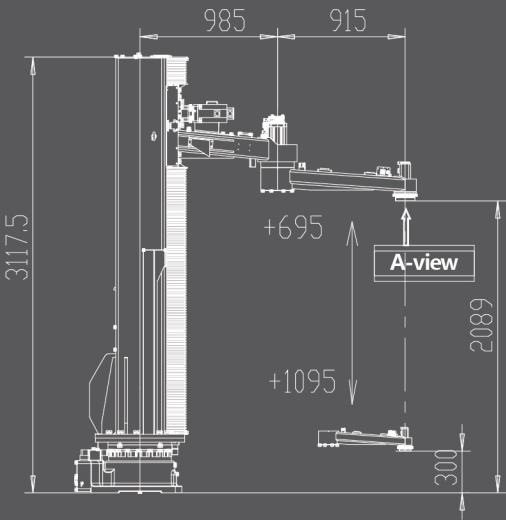
SF120-C1900 PM Data Overview

Model	CF120-C1900 PM	
Structure	Vertically Articulated	
Number of Axis	4	
Radius	1900mm	
Payload	120kg	
Repeatability	±0.06mm	
Drive Mode	AC Servo Motor	
Maximum Speed	J1	115°/s
	J2	176°/s
	J3 (up and down)	1.5m/s
	J4	±180°
Range of Motion	J1	±180°/s
	J2	-140°/+150°
	J3 (up and down)	+695/-1095mm
	J4	±180°
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	750*520mm	
Height	3117.5mm	
Weight	1536KG	
Mounting Positions	Floor	
Power Consumption	5kVA	

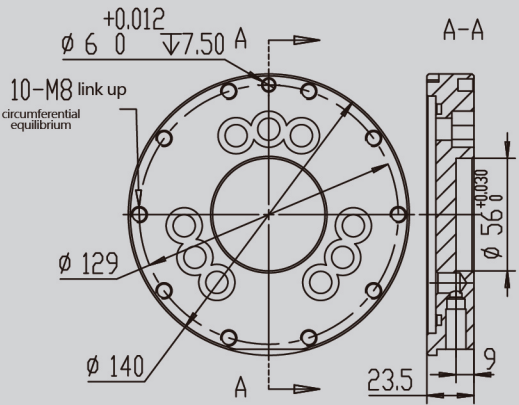
CF120-C1900 Range of Motion



CF120-C1900 External & Installation Dimensions



A-Way Diagram (End Flange Mounting Dimensions)



B-Way Diagram (Base Mounting Dimensions)

