

ER12-2100

EFORT

ER12-2100,
Maxium payload 12 kg with maxium reach 2051 mm.

Highlights

Thanks to the optimization of stiffness and inertia brought by the new mechanical design, with advanced trajectory algorithm. The takt improved by 20%-30%; Compact cabinet design helps customers deploy the production line with more flexibility; IP67 wrist, high protection grade, to overcome harsh environment.

Applications

It can be used in handling operations(strings layout), etc.

Industries

Suitable for logistic, beverage and other industries.



EFORT INTELLIGENT EQUIPMENT CO.,LTD.

PHONE: (00 86) 400-052-8877

ADDRESS: No.96 East Wanchun Road, China(Anhui) Pilot

Free Trade Zone Wuhu Area, Wuhu, Anhui Province, China

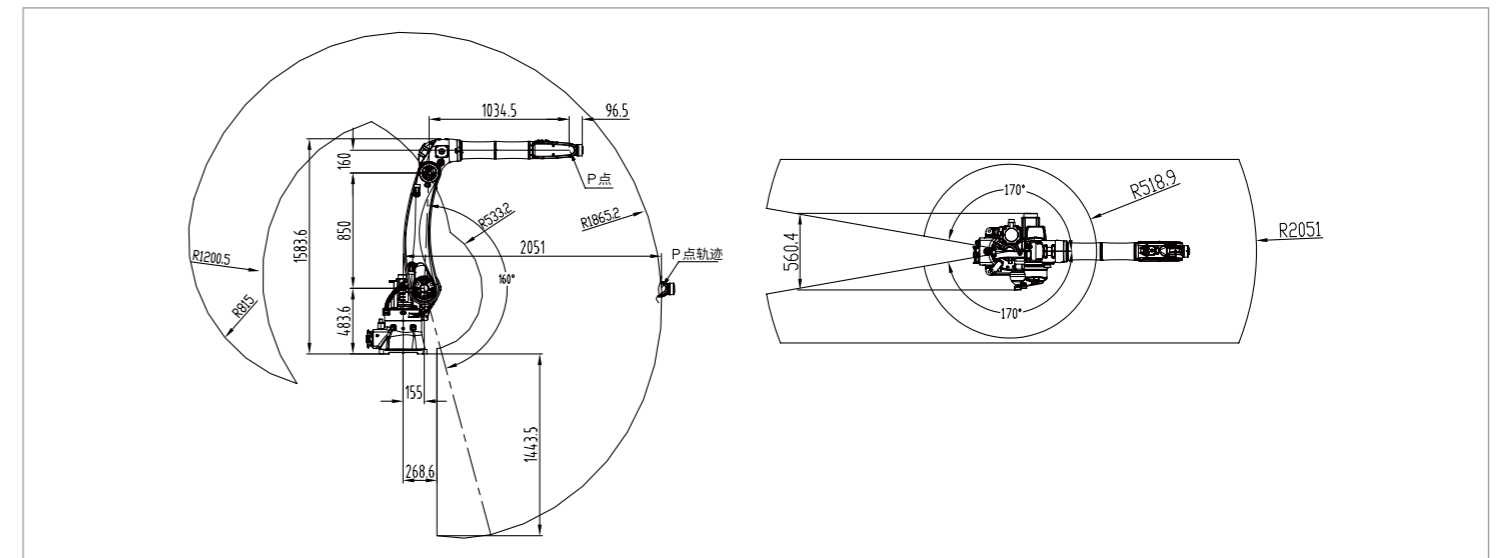
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SPECIFICATIONS

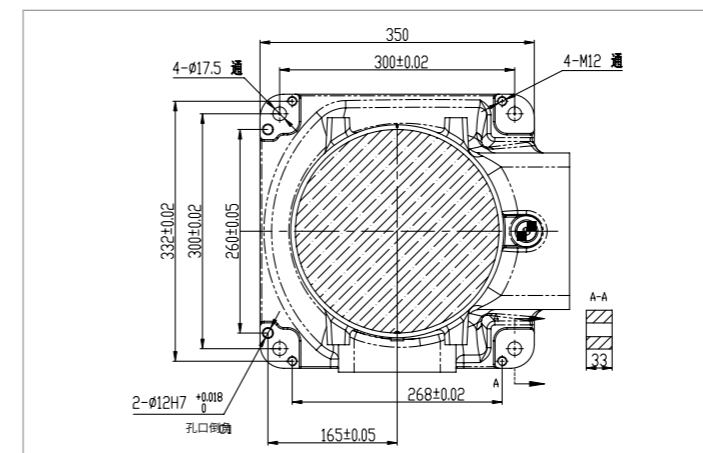
Model	ER12-2100	
Type	Articulated	
Controlled axes	6 Axes	
Max. payload on wrist	12 kg	
Repeatability	±0.05 mm	
Robot weight	165 kg	
Reach	2051 mm	
Robot IP grade	IP54 / IP67 (Wrist)	
Cabinet IP grade	IP20/ IP54 (Optional)	
Drive mode	AC servo drive	
Installation	Floor, Upside-down, Wall	
Installation enviroment	Ambient temperature	0~45 °C
	Ambient humidity	RH≤80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s ² (<0.5 G)

Allowable load moment at wrist	J4	25 N·m
	J5	25 N·m
	J6	12 N·m
Allowable load inertia at wrist	J4	0.78 kg·m ²
	J5	0.78 kg·m ²
	J6	0.3 kg·m ²
Maximum speed	J1	220°/sec
	J2	180°/sec
	J3	200°/sec
	J4	360°/sec
	J5	420°/sec
	J6	600°/sec
Motion range	J1	±170°
	J2	+77°-160°
	J3	+165°-85°
	J4	±190°
	J5	±120°
	J6	±360°

OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE

