

ER12-2100

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.



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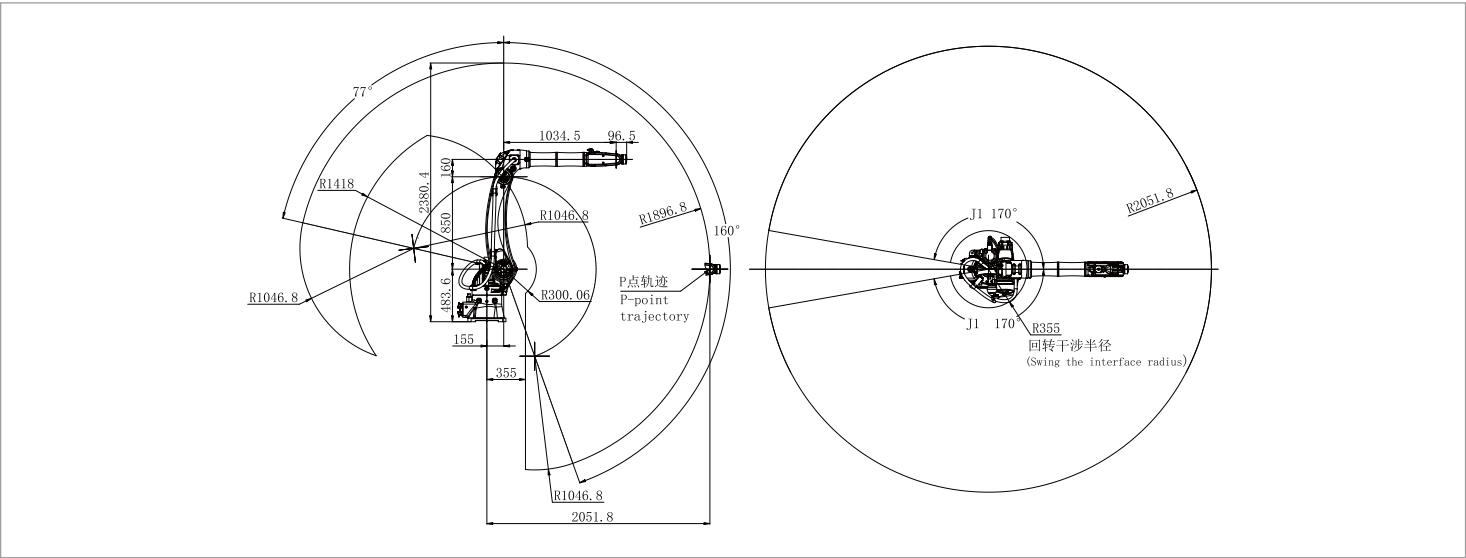
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SPECIFICATIONS

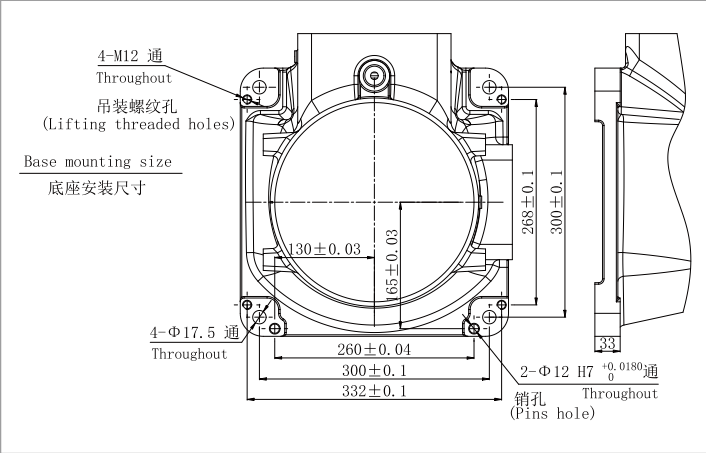
Model		ER12-2100
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		12 kg
Repeatability		±0.05 mm
Robot weight		186 kg
Reach		2051 mm
Robot IP grade		IP54 / IP67 (Wrist)
Cabinet IP grade		IP20/ IP54 (Optional)
Drive mode		AC servo drive
Installation		Floor, Upside-down, Wall
Installation 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°

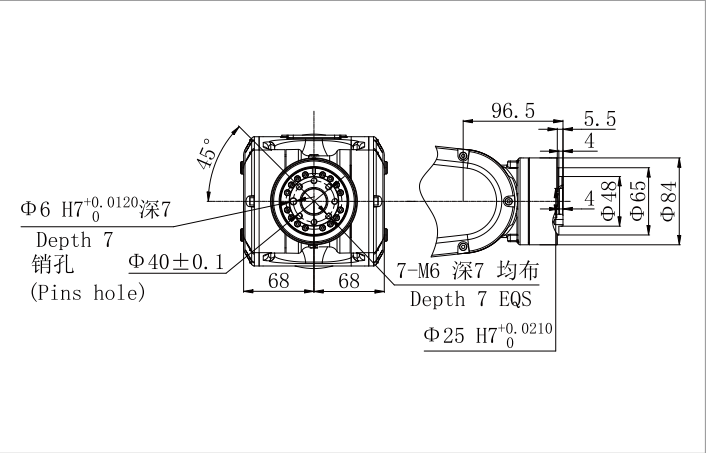
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.