

Arc Welding Robot

ARC12-2000

ARC12-2000 is a medium payloads robot.
Maxium payload 12 kg with maxium reach 2025 mm.

- Highlights

Thanks to the large and hollow design, the cable can be routed in a hollow way, effectively improving the service life of the cable, and the posture change in a narrow space is more flexible;
High-rigid gearbox with strong impact resistance helps customers challenge various application scenarios;
Thanks to the high stiffness transmission design and advanced trajectory algorithm, the improved robot accuracy performance helps customers to face variety of application scenarios.
- Applications

It can be used in Arc welding applications
- Industries

Suitable for metal parts, auto parts, steel structure and other industries.



EFORT Intelligent Robot Co., Ltd.
PHONE: (00 86) 400-052-8877
ADDRESS: No. 96, Wanchun East Road, Wuhu, China
(Anhui) Pilot Free Trade Zone
WWW.EFORT.COM.CN

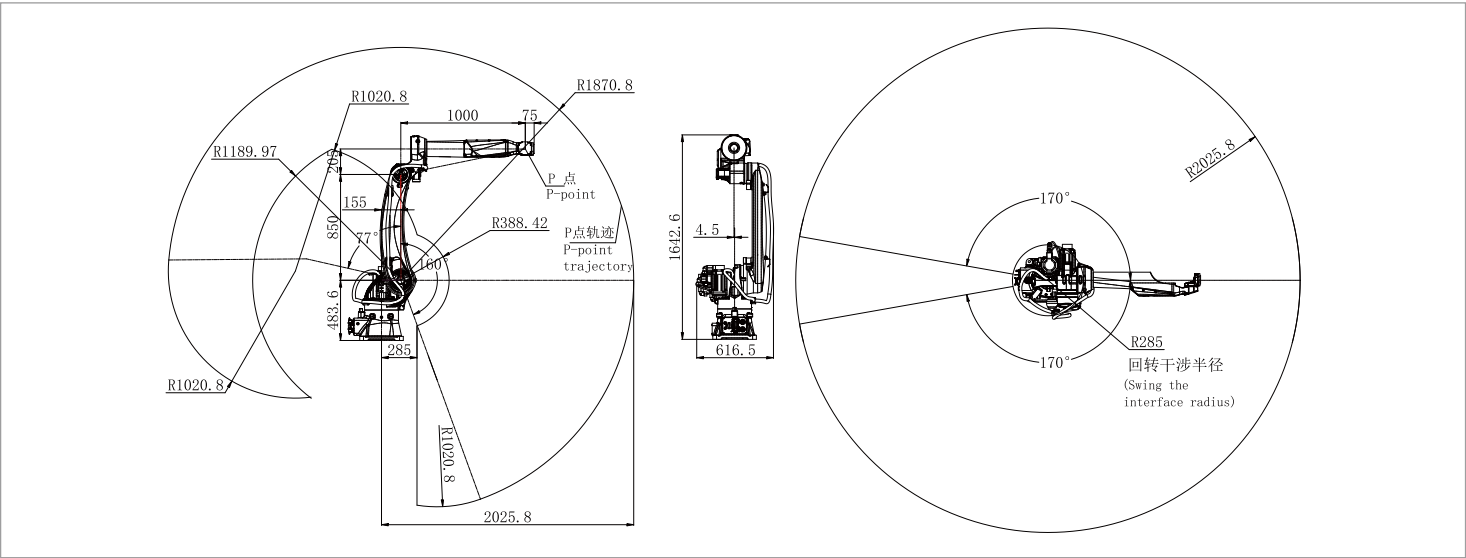
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SPECIFICATIONS

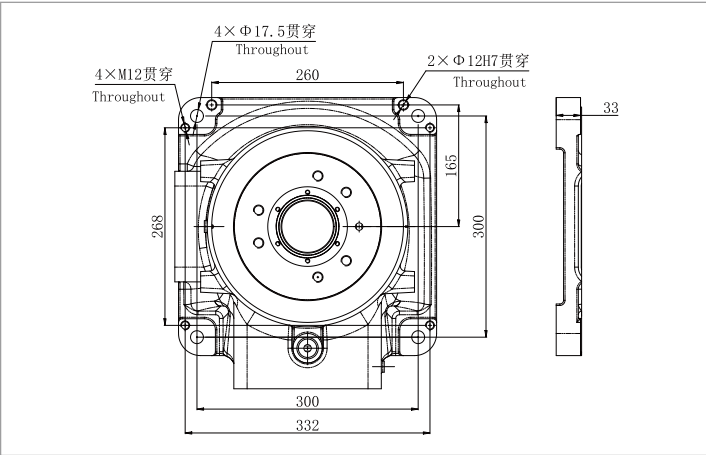
Model		ARC12-2000
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		12 kg
Repeatability		±0.03 mm
Robot weight		185 kg
Reach		2025 mm
Robot IP grade		IP54 / IP67 (Wrist)
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor, Upside-down
Installation enviroment	Ambient temperature	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	22 N·m
	J5	22 N·m
	J6	9.8 N·m
Allowable load inertia at wrist	J4	0.65 kg·m ²
	J5	0.65 kg·m ²
	J6	0.17 kg·m ²
Maximum speed	J1	220°/sec
	J2	180°/sec
	J3	210°/sec
	J4	420°/sec
	J5	420°/sec
	J6	700°/sec
Motion range	J1	±170°
	J2	+77°/-160°
	J3	+175°/-85°
	J4	±190°
	J5	±190°(The connect outside robot body.) ±140°(The connect inside robot body.)
	J6	±450°(The connect outside robot body.) ±220°(The connect inside robot body.)

OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE

