

Arc Welding Robot

ARC10-1600

ARC10-1600 is a medium payloads robot.
Maxium payload 10 kg with maxium reach 1604 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.



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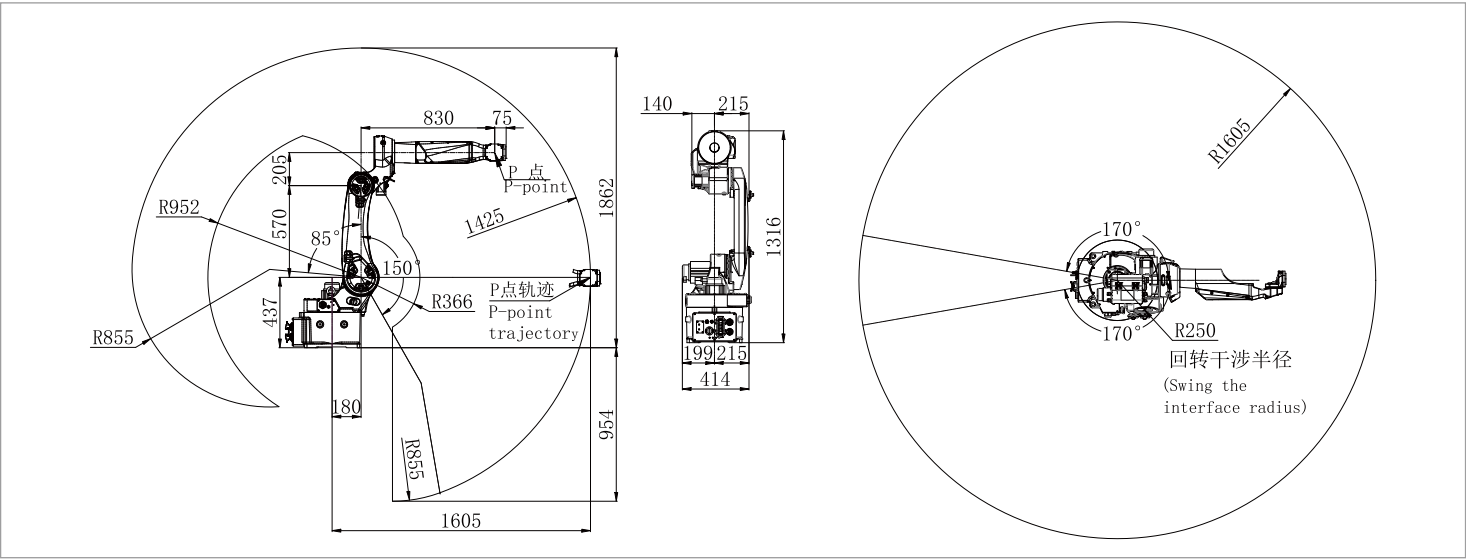
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SPECIFICATIONS

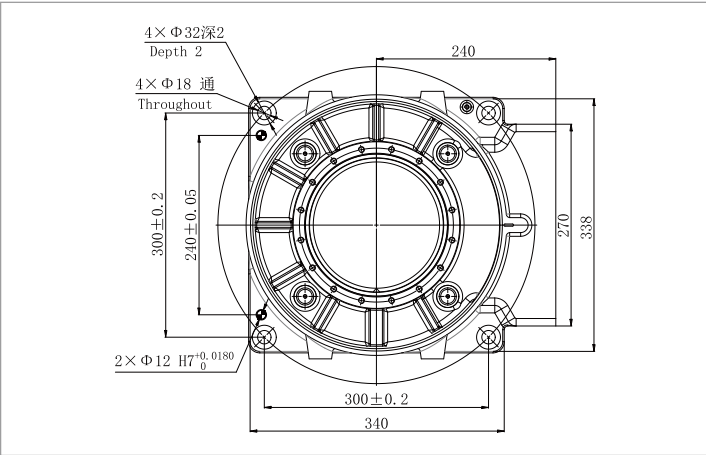
Model		ARC10-1600
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		10 kg
Repeatability		±0.03 mm
Robot weight		170 kg
Reach		1604 mm
Robot IP grade		IP54 / IP67 (Wrist)
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor, Upside-down, Wall
Installation enviroment	Ambient temperature	0~45 ℃
	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	265°/sec
	J2	255°/sec
	J3	270°/sec
	J4	450°/sec
	J5	450°/sec
	J6	700°/sec
Motion range	J1	±170°
	J2	+85°/-150°
	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

