ER12H-1600



ER12H-1600,

Maxium payload 12 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;

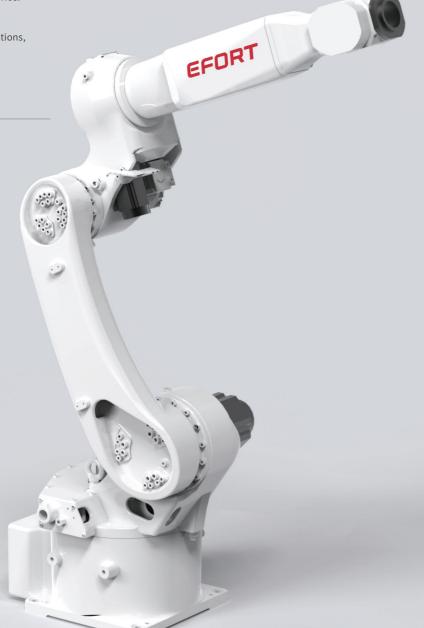
Thanks to the high stiffness transmission design and advanced trajectory algorithm, the improved robot accuracy performance helps customers to face variety of application scenarios.

■ Applications

It can be used in handling operations, sorting, grinding, polishing, etc.

Industries

Suitable for metal parts, logistics and other industries.



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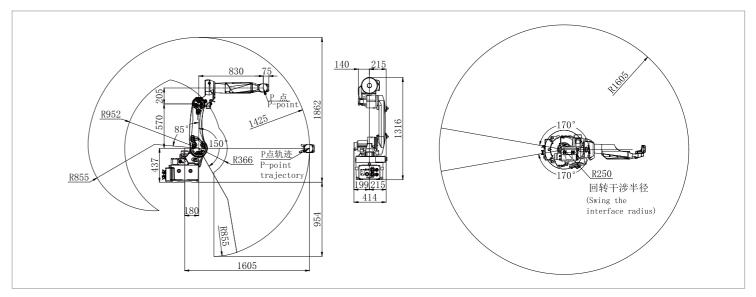
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SPECIFICATIONS

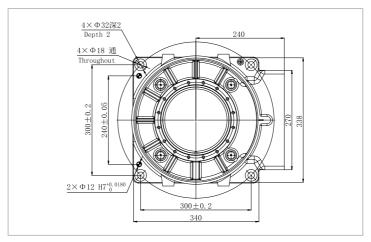
Model		ER12H-1600
Туре		Articulated
Controlled axes		6 Axes
Max. payload on wrist		12 kg
Repeatability		±0.03 mm
Robot weight		170 kg
Reach		1604 mm
Robot IP grade		IP54 / IP67 (Wrist)
Cabinet IP grade		IP20/ IP54 (Optional)
Drive mode		AC servo drive
Installation		Floor, Upside-down, Wall
Installation 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	J 4	22 N·m
	J5	22 N·m
	J6	9.8 N·m
Allowable load inertia at wrist	J 4	0.65 kg·m²
	J5	0.65 kg·m²
	J6	0.17 kg·m²
Maximum speed	J1	265°/sec
	J2	255°/sec
	13	270°/sec
	J 4	450°/sec
	J5	450°/sec
	J6	700°/sec
	J1	±170°
	J2	+85°/-150°
	13	+175°/-85°
Motion range	J 4	±190°
Motion range	J5	\pm 190°(The connect outside robot body.) \pm 140°(The connect inside robot body.)
	J6	± 450 °(The connect outside robot body.) ± 220 °(The connect inside robot body.)

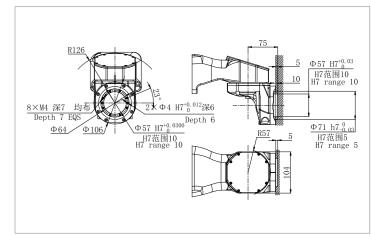
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



Information Release Time 2024/12