

ER50P-2700

ER50P-2700,
Maxium payload 50 kg with maxium reach 2750 mm.

■ Highlights

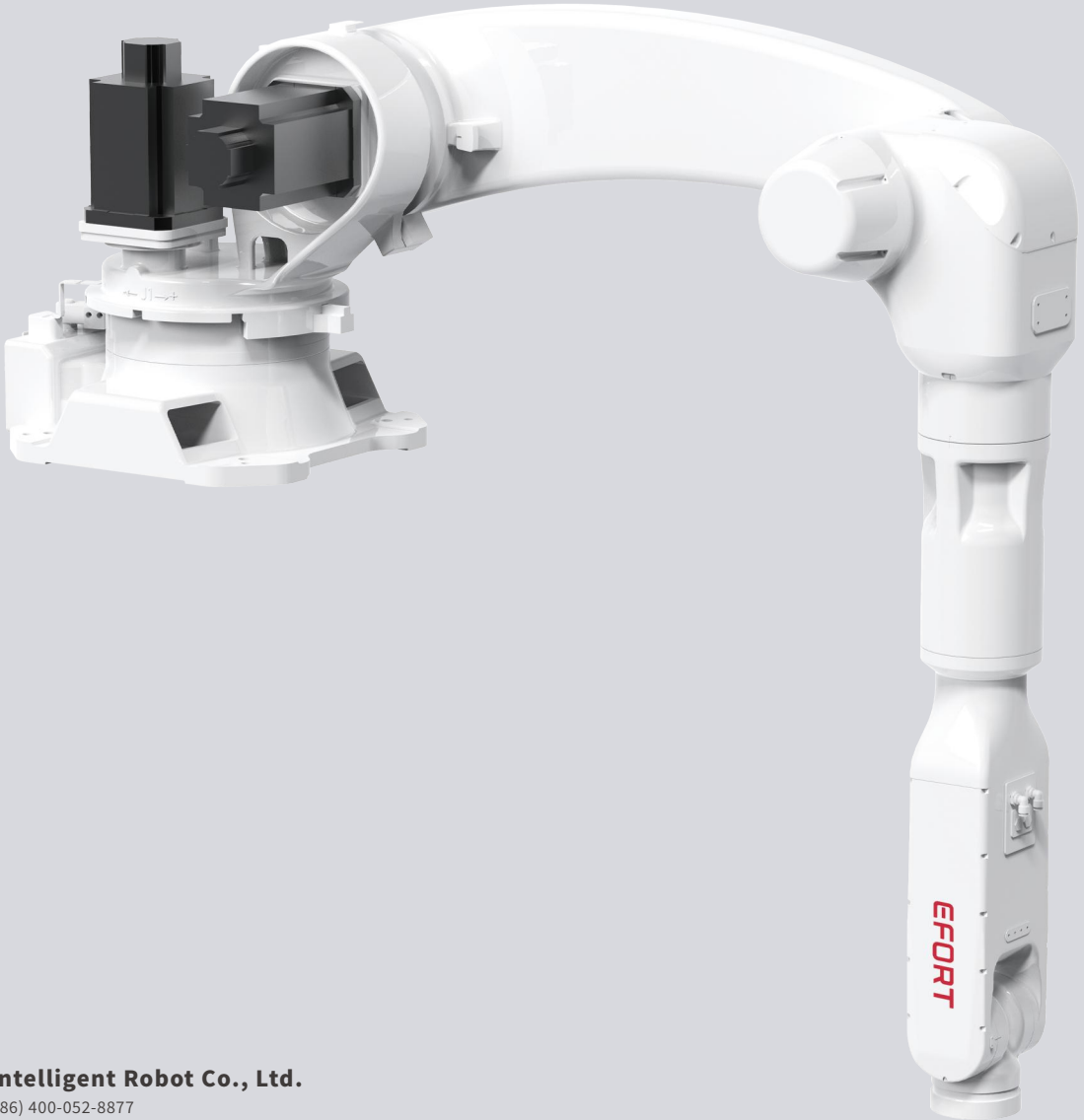
This is a new medium-payload downward-reaching platform robot with a highly rigid body structure. Combined with advanced algorithms, it ensures higher precision and more stable high-speed operation; With greater downward-reaching depth and arm reach, the robot can stably work in narrow spaces such as injection molding machines; It features a smaller footprint and more flexible layout, enabling flexible access inside equipment to complete part picking and cleaning tasks.

■ Applications

It can be applied to elevated platform scenarios, such as die casting and injection molding.

■ Industries

Suitable for metal parts, auto parts and other industries.



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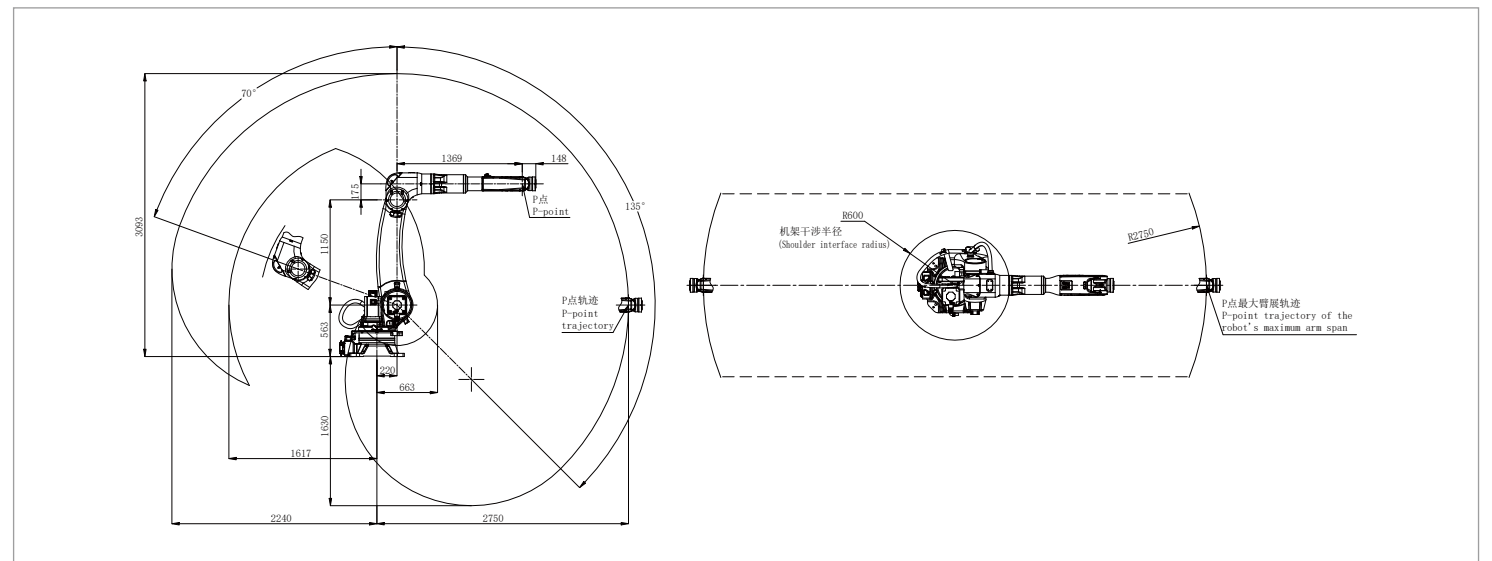
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SPECIFICATIONS

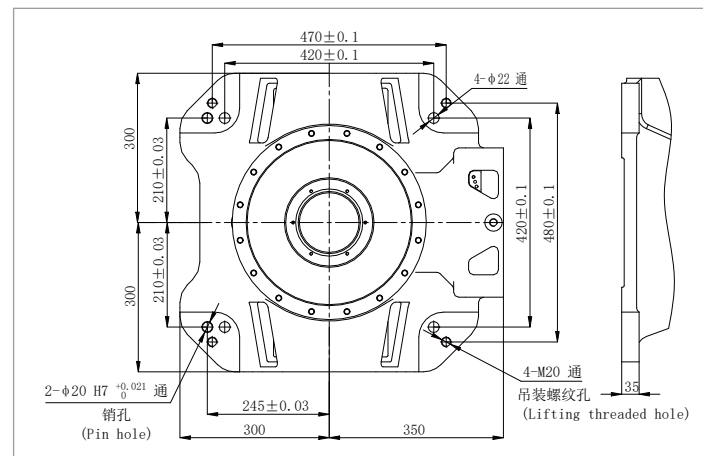
Model		ER50P-2700
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		50 kg
Repeatability		±0.05 mm
Robot weight		615 kg
Reach		2750 mm
Robot IP grade		IP54 / IP67 (Wrist)
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor
Installation enviroment	Ambient temperature	0~45 °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	204 N•m
	J5	204 N•m
	J6	120 N•m
Allowable load inertia at wrist	J4	16 kg•m ²
	J5	16 kg•m ²
	J6	10 kg•m ²
Maximum speed	J1	180°/sec
	J2	180°/sec
	J3	165°/sec
	J4	300°/sec
	J5	225°/sec
	J6	360°/sec
Motion range	J1	±180°
	J2	+70°/-135°
	J3	+170°/-80°
	J4	±200°
	J5	±120°
	J6	±360°

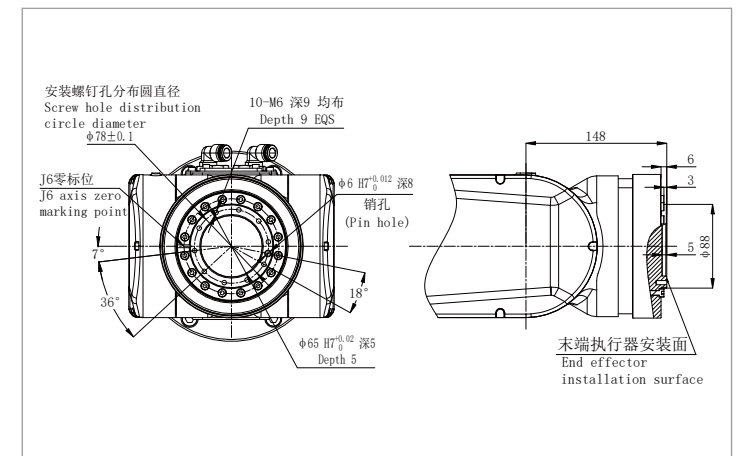
OPERATING SPACE



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.

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