

# ER25-1600

ER25-1600,  
Maxium payload 25 kg with maxium reach 1665 mm.

- Highlights**  
Thanks to the new design of wrist, inertia and bearing capacity are increased by 25% with wider application scope;  
Thanks to the high stiffness transmission design and advanced trajectory algorithm, the improved robot accuracy performance helps customers to face variety of application scenarios;  
Lighter weight of the body, 20% less than its predecessor.

- Applications**  
It can be used in handling operations, assembling, grinding, polishing, deburring, etc.

- Industries**  
Suitable for metal parts, photovoltaic, logistics, food and beverage and other industries.



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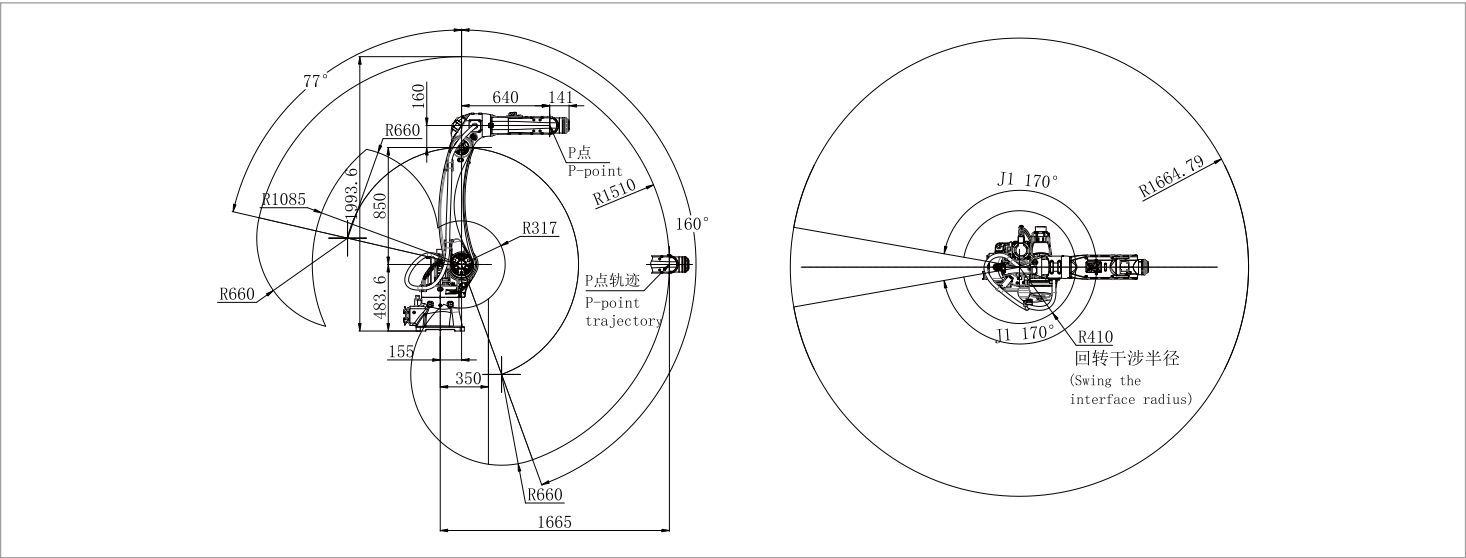
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## SPECIFICATIONS

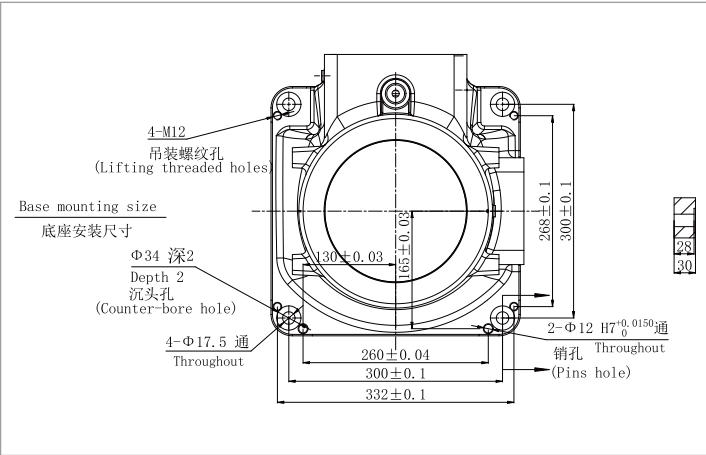
Model		ER25-1600
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		25 kg
Repeatability		±0.05 mm
Robot weight		202 kg
Reach		1665 mm
Robot IP grade		IP54 / IP67 (Wrist)
Cabinet IP grade		IP20/ IP54 (Optional)
Drive mode		AC servo drive
Installation		Floor, Upside-down, Wall
Installation enviroment	Ambient temperature	0~45 °C
	Ambient humidity	RH≤80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s <sup>2</sup> (<0.5 G)

Allowable load moment at wrist	J4	50 N·m
	J5	50 N·m
	J6	30 N·m
Allowable load inertia at wrist	J4	2.2 kg·m <sup>2</sup>
	J5	2.2 kg·m <sup>2</sup>
	J6	1.5 kg·m <sup>2</sup>
Maximum speed	J1	220°/sec
	J2	180°/sec
	J3	200°/sec
	J4	360°/sec
	J5	360°/sec
	J6	410°/sec
Motion range	J1	±170°
	J2	+77°/-160°
	J3	+165°/-85°
	J4	±190°
	J5	±130°
	J6	±360°

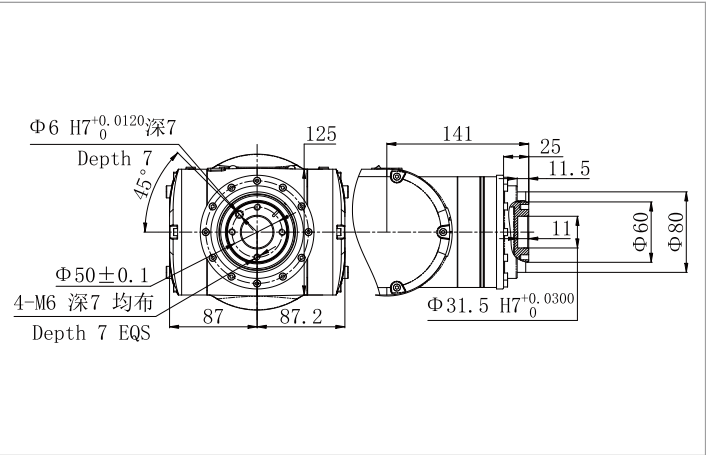
## OPERATING SPACE



## BASE MOUNTING SIZE



## END FLANGE MOUNTING SIZE



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