

ER25-2700,
Maxium payload 25 kg with maxium reach 2701 mm.

Thanks to the high stiffness structure, with high-speed intelligent palletizing application software, the takt is improved by 20%, bring customers more efficiency;
Multiple specific application software could be integrated, with soft PLC and a variety of field bus interface, which enable customers easily face various application challenges;
High performance collision detection function helps safety realization.

It can be used in handling operations, palletizing, etc.

Suitable for metal parts, auto parts, logistics, ceramics, cement, food and beverage and other industries.



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SPECIFICATIONS

Model		ER25-2700
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		25 kg
Repeatability		±0.05 mm
Robot weight		375 kg
Reach		2701 mm
Robot IP grade		IP54
Cabinet IP grade		IP20/ IP54 (Optional)
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	50 N•m
	J5	50 N•m
	J6	30 N•m
Allowable load inertia at wrist	J4	2.2 kg•m ²
	J5	2.2 kg•m ²
	J6	1.5 kg•m ²
Maximum speed	J1	190°/sec
	J2	150°/sec
	J3	200°/sec
	J4	400°/sec
	J5	400°/sec
	J6	440°/sec
Motion range	J1	±173°
	J2	+70°/-150°
	J3	+147°/-90°
	J4	±190°
	J5	±130°
	J6	±360°

4-M12通
吊装螺纹孔
(Lifting threaded holes)

Base mounting size
底座安装尺寸

Φ32 沉头孔 深3
Depth 3
(Counter-bore hole)

4-Φ18通
Throughout

2-Φ10 H7^{+0.015}/₀通
Throughout
(Pins hole)

300 ± 0.1
300 ± 0.1
175 ± 0.03
140 ± 0.03
280 ± 0.04
300 ± 0.1
30

Technical drawing of a mechanical part, showing front and side views with dimensions.

Front View Dimensions:

- Top horizontal dimension: $\Phi 6 \text{ H7}^{+0.0120}_{-0} \text{ 深7}$
- Top right horizontal dimension: 125
- Left vertical dimension: Depth 7
- Left circular feature: $\Phi 50 \pm 0.1$
- Left circular feature: 4-M6 深7 均布
- Left circular feature: Depth 7 EQS
- Bottom horizontal dimensions: 87, 87.2
- Bottom left circular feature: 45°

Side View Dimensions:

- Top horizontal dimension: 141
- Top right horizontal dimension: 25
- Top right horizontal dimension: 11.5
- Bottom horizontal dimension: 11
- Bottom circular feature: $\Phi 31.5 \text{ H7}^{+0.0300}_{-0}$
- Bottom right circular feature: $\Phi 60$
- Bottom right circular feature: $\Phi 80$

*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.

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