

ER700-2800

ER700-2800,
Maxium payload 700 kg with maxium reach 2817 mm.

- Highlights
- The all-new heavy-duty platform product adopts fully rigid gear connections on all axes, offering exceptional robot wrist torque performance. With a 50% improvement in repeat positioning accuracy—ranking among the b-est in its class—the robot is well-suited for a wide range of high-precision appl-ications. By integrating a high-stiffness transmission design with advanced trajectory al-gorithms, it achieves stronger dynamic performance and maintains stable ope-ration at high speeds.

- Applications
- Applicable to scenarios such as loading and unloading, handling and palletizing.

- Industries
- Suitable for industries such as metal, automotive, lithium battery, and aerospace.



EFORT Intelligent Robot Co., Ltd.
PHONE: (0086)400-052-8877
ADDRESS: No. 96, Wanchun East Road, Wuhu, China
(Anhui) Pilot Free Trade Zone
WWW.EFORT.COM.CN

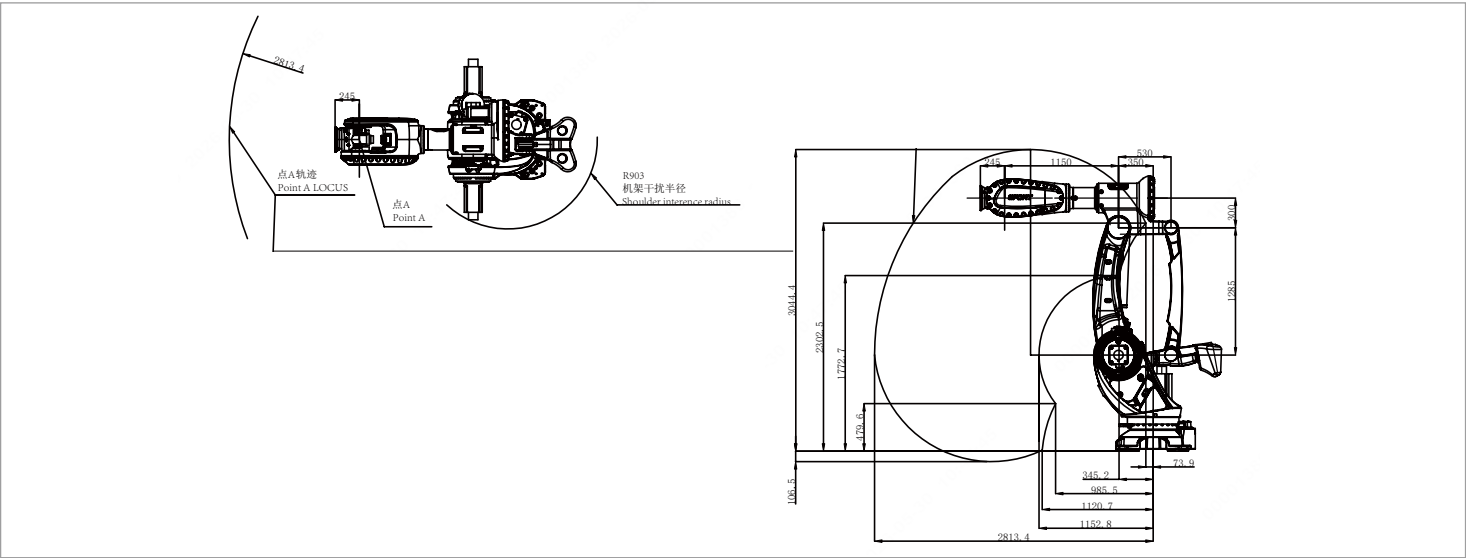
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SPECIFICATIONS

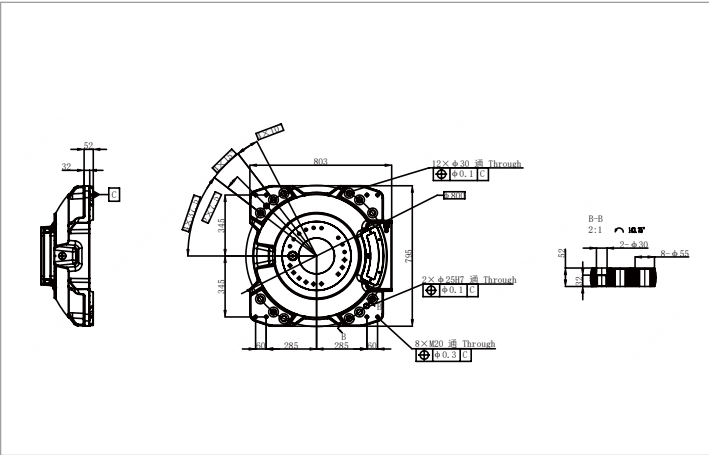
Model		ER700-2800
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		700 kg
Repeatability		±0.1 mm
Robot weight		2495 kg
Reach		2813 mm
Robot IP grade		IP65 / IP67 (Wrist)
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor
Installation enviroment	Ambient temperature	0~45 °C
	Ambient humidity	RH≤80%(No dew nor frost allowed)
	Vibration acceleration	0.5 m/s ² (<4.5 G)

Allowable load moment at wrist	J 4	3020 N·m
	J 5	3020 N·m
	J 6	1560 N·m
Allowable load inertia at wrist	J 4	500 kg·m ²
	J 5	500 kg·m ²
	J 6	315 kg·m ²
Maximum speed	J 1	90 °/sec
	J 2	100°/sec
	J 3	100°/sec
	J 4	100°/sec
	J 5	100°/sec
	J 6	160°/sec
Motion range	J 1	±185°
	J 2	+65°/-85°
	J 3	+27 °/-130°
	J 4	±360°
	J 5	±130°
	J 6	±360°

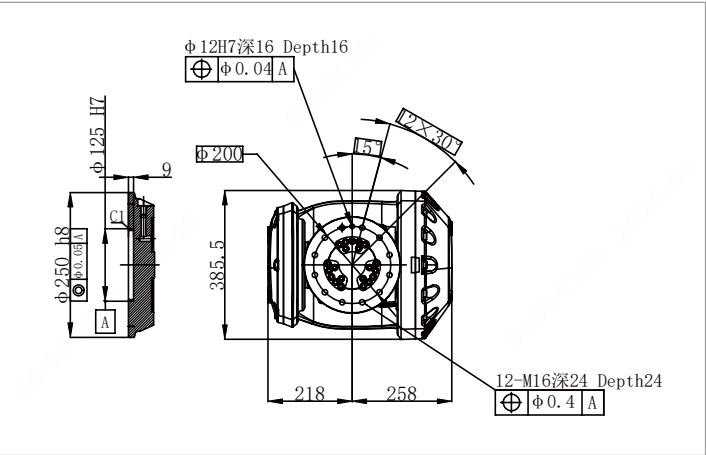
OPERATING SPACE



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.