

ER20-1100

ER20-1100,
Maxium payload 20 kg with maxium reach 1143 mm.

■ Highlights

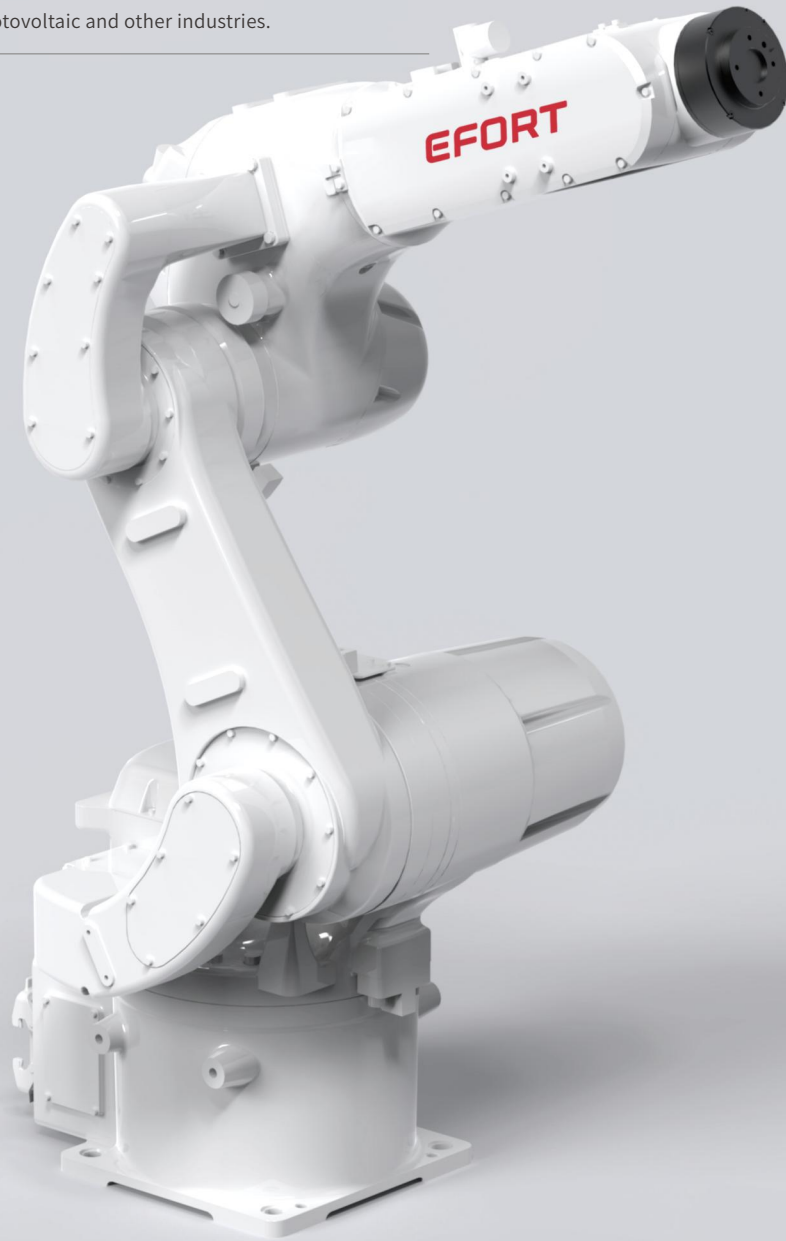
Thanks to the optimization of stiffness and inertia brought by the new mechanical design, with advanced trajectory algorithm. The takt improved by 20%-30%; 40% less monoting size of the base (comparing the previous types) plus compact cabinet design helps customers deploy the production line with more flexibility; IP67 wrist, high protection grade, to overcome harsh environment;

■ Applications

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

■ Industries

Suitable for PCB, metal parts, photovoltaic and other industries.



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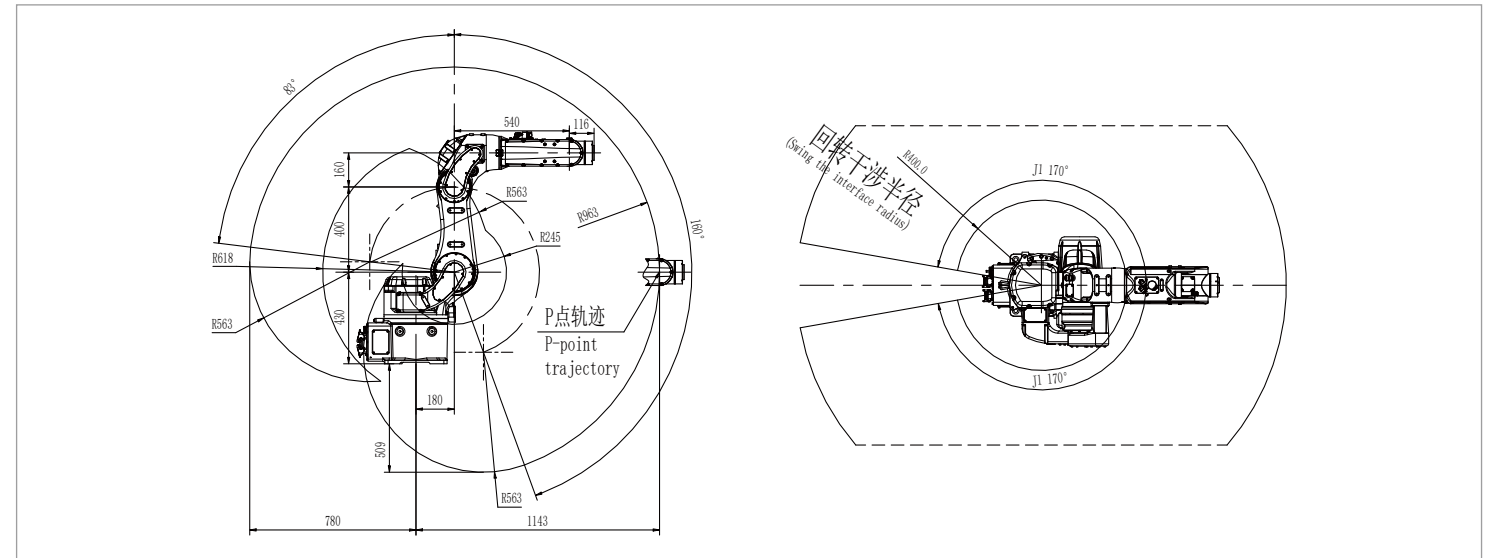
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SPECIFICATIONS

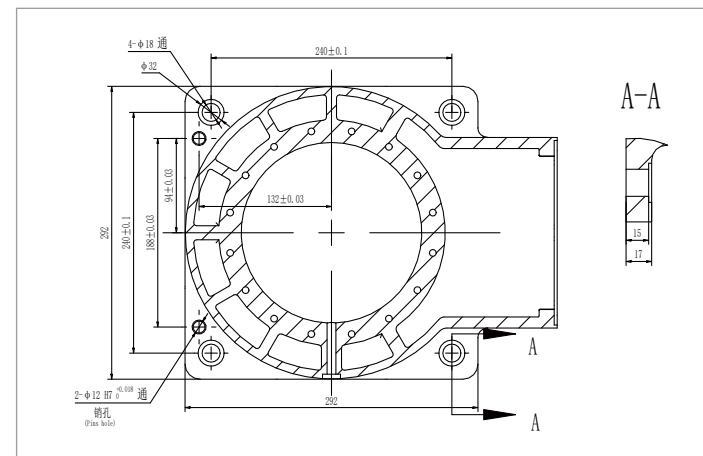
Model		ER20-1100
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		20 kg
Repeatability		±0.03 mm
Robot weight		145 kg
Reach		1143 mm
Robot IP grade		IP65/IP67 (Wrist)
Cabinet IP grade		IP20/IP54 (Optional)
Drive mode		AC servo drive
Installation		Floor, Upside-down, Wall, Angle
Installation 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	42 N•m
	J5	42 N•m
	J6	20 N•m
Allowable load inertia at wrist	J4	2 kg•m ²
	J5	2 kg•m ²
	J6	0.7 kg•m ²
Maximum speed	J1	260°/sec
	J2	255°/sec
	J3	210°/sec
	J4	450°/sec
	J5	450°/sec
	J6	600°/sec
Motion range	J1	±170°
	J2	+83°/-160°
	J3	+175°/-85°
	J4	±190°
	J5	±130°
	J6	±360°

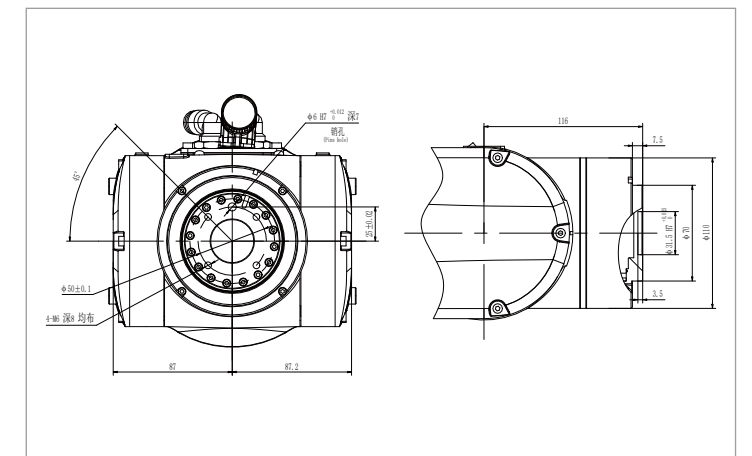
OPERATING SPACE



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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