

ER300-2700F

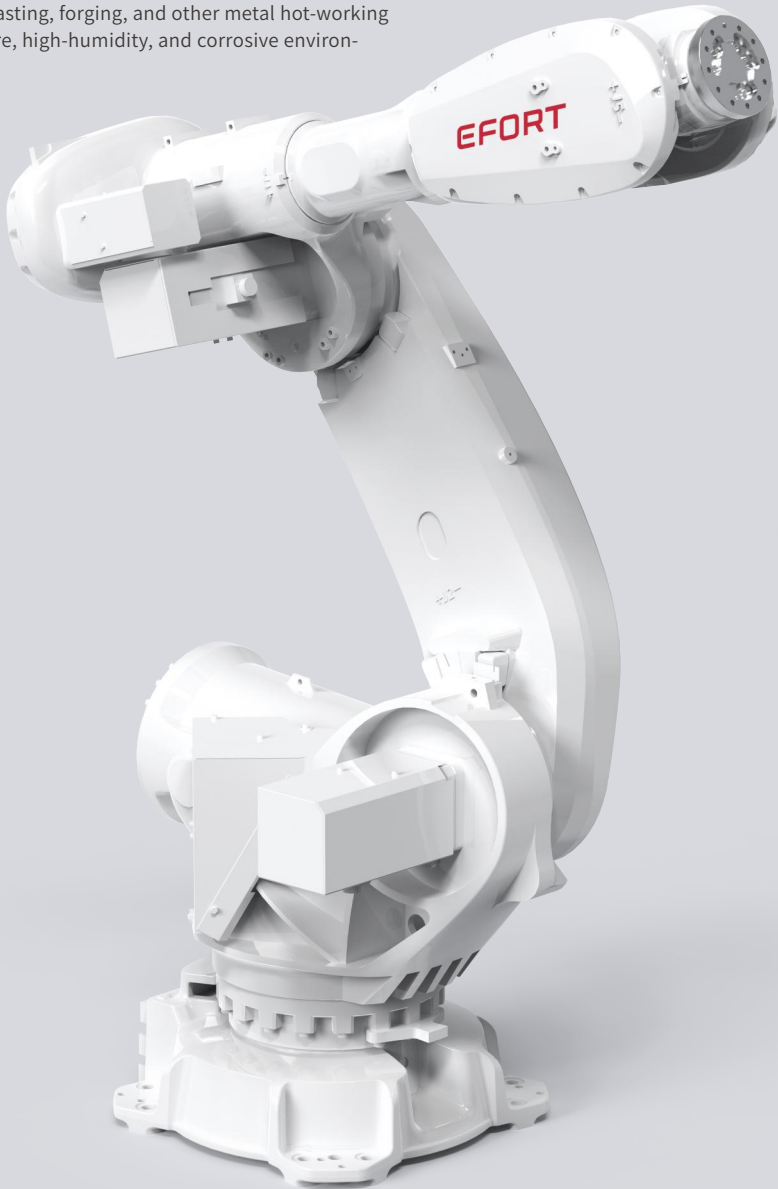
EFORT

ER300-2700F,
Maxium payload 300 kg with maxium reach 2702 mm.

Highlights
The all-new heavy-duty platform product, featuring high-rigidity gear connections combined with advanced algorithms, ensures higher precision, greater rigidity, and more stable high-speed operation; Special coating materials and processes, along with sealed protection design, give the robot excellent high-temperature and corrosion resistance, ensuring stable long-term operation in environments up to 60°C and under mild acid-alkali corrosive conditions; The customized housing design, along with professional protection treatment applied to power and communication cable connectors, meets IP67 protection standards, easily addressing requirements for waterproofing, dust resistance, and oil contamination resistance.

Applications
It can be used for scenarios such as casting, forging, and other metal hot-working processes, as well as high-temperature, high-humidity, and corrosive environments.

Industries
Suitable for fields like automotive, home appliances, metal, and building materials.



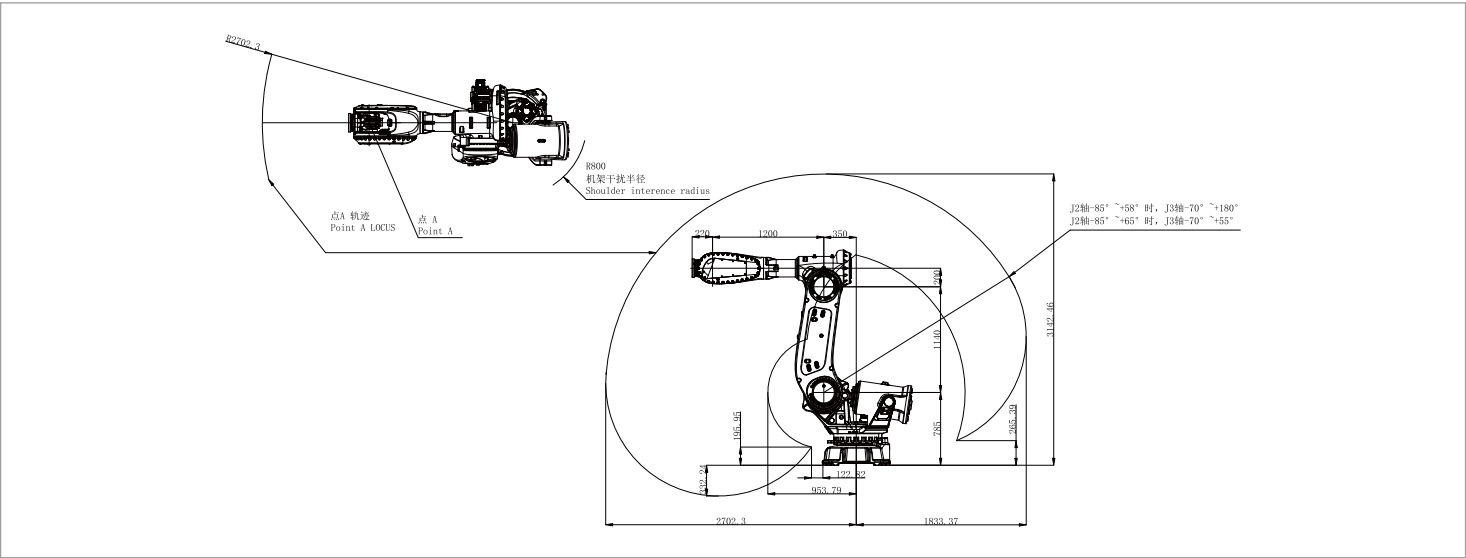
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SPECIFICATIONS

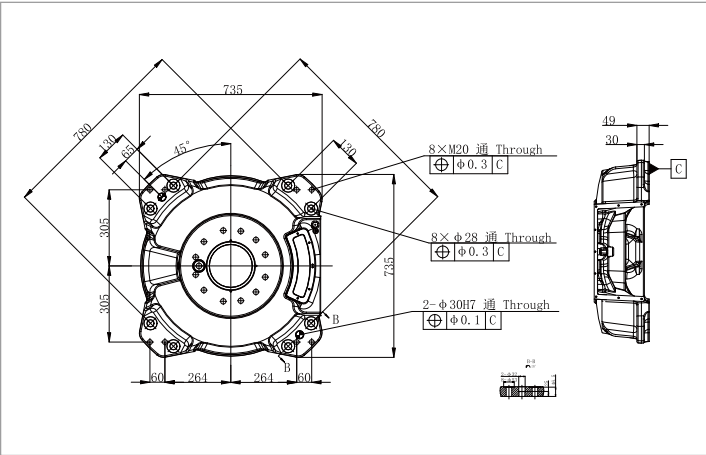
Model		ER300-2700F
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		300 kg
Repeatability		±0.05 mm
Robot weight		1610 kg
Reach		2702 mm
Robot IP grade		IP67
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor
Installation enviroment	Ambient temperature	0~60 °C
	Ambient humidity	RH≤80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s ² (<0.5 G)

Allowable load moment at wrist	J4	1830 N•m
	J5	1830 N•m
	J6	900 N•m
Allowable load inertia at wrist	J4	325 kg•m ²
	J5	325 kg•m ²
	J6	230 kg•m ²
Maximum speed	J1	105°/sec
	J2	100°/sec
	J3	110°/sec
	J4	140°/sec
	J5	110°/sec
	J6	180°/sec
Motion range	J1	±185°
	J2	+65°-85°
	J3	+180°-70°
	J4	±360°
	J5	±130°
	J6	±360°

OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE

