

EFORT

ESR6-500Z20

ESR6-500Z20,
Maxium payload 6 kg with maxium reach 500 mm.

- Highlights
1. High rhythm and high precision

The fastest standard cycle time can reach 0.346 s, and the robot positioning accuracy can reach 0.02 mm.
2. High rigidity and low vibration

Robot body mode and rigidity enhancement, combined with vibration suppression and active vibration suppression functions, effectively reduce vibration.
3. Easy to maintain and scalable

The detachable structure of cables and batteries allows for the replacement of robots inside the device, and the built-in camera network cable enables various communication extensions.
- Applications
- It can be used in handling, sorting, assembly, etc.
- Industries
- Suitable for industries such as electronic manufacturing, lithium batteries, automotive electronics, and photovoltaics.

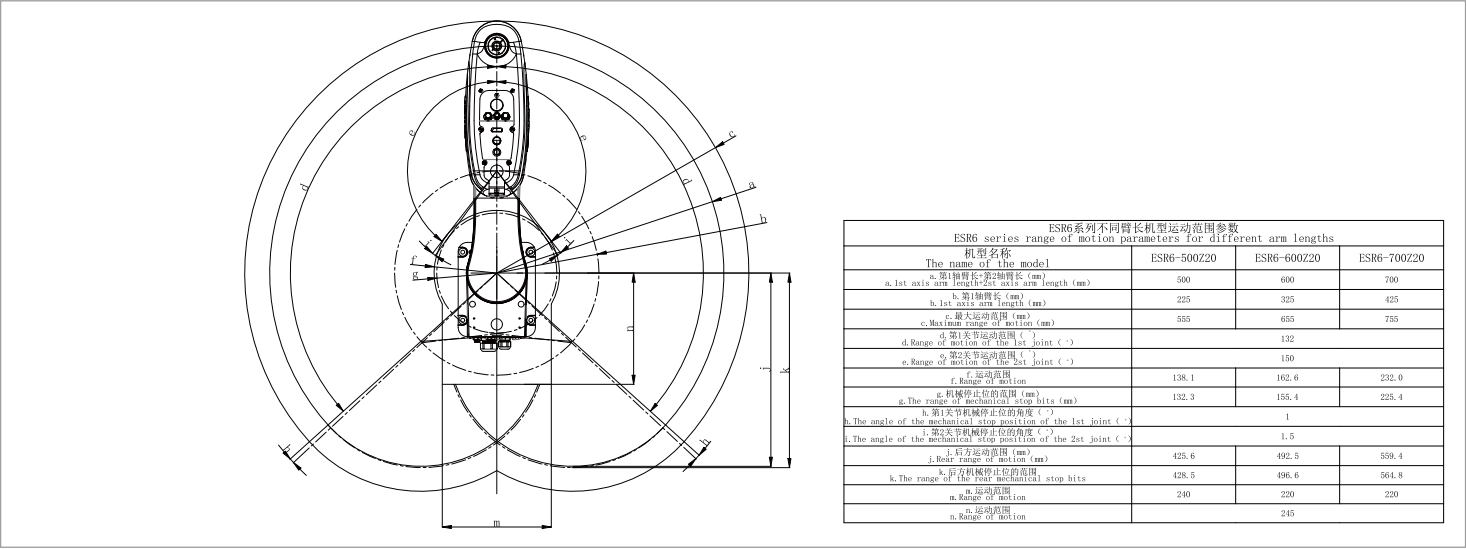


SPECIFICATIONS

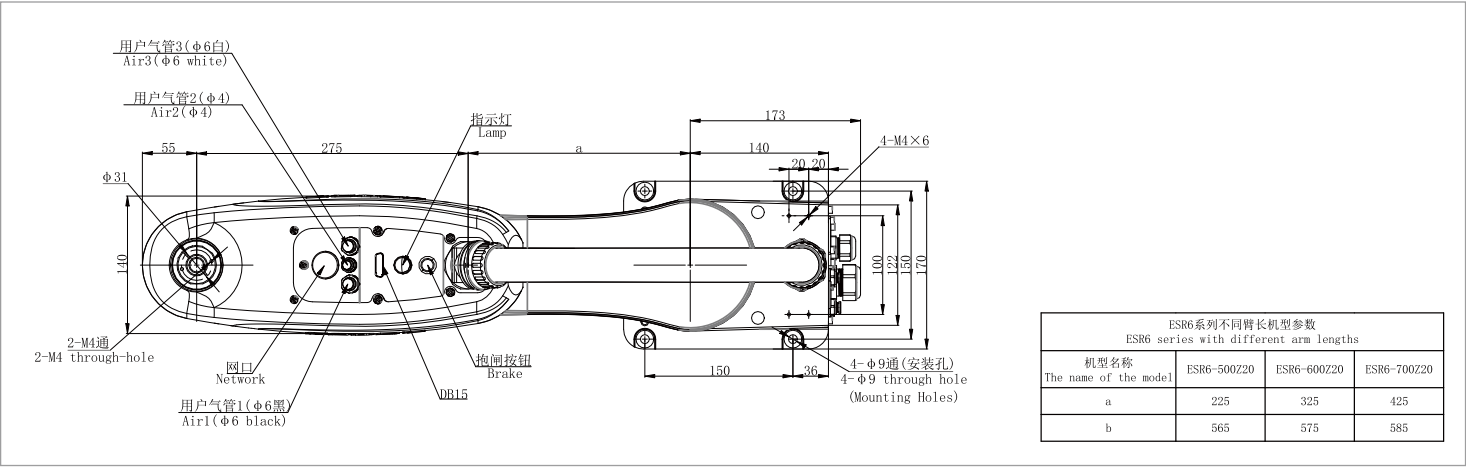
Model		ESR6-500Z20
Reach		500 mm
Max. payload on wrist	Rated	2 kg
	Maximum	6 kg
Robot weight		18 kg
Maximum speed	J1+J2	7120 mm/sec
	J3	1100 mm/sec
	J4	2000°/sec
Motion range	J1	±132°
	J2	±150°
	J3	200 mm
	J4	±360°
Repeatability	J1+J2	±0.02 mm
	J3	±0.01 mm
	J4	±0.01°
Standard cycle time		0.346 s
J4 allowable moment of inertia	Rated	0.01 kg•m²
	Maximum	0.12 kg•m²
Electric lines		D-Sub 15-Pin
Pneumatic lines		φ4 mmx1,φ6 mmx2
J3 downward force		100 N
Installation		Floor
Installation enviroment	Ambient temperature	5~40℃
	Ambient humidity	RH≤80% (No dew nor frost allowed)

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

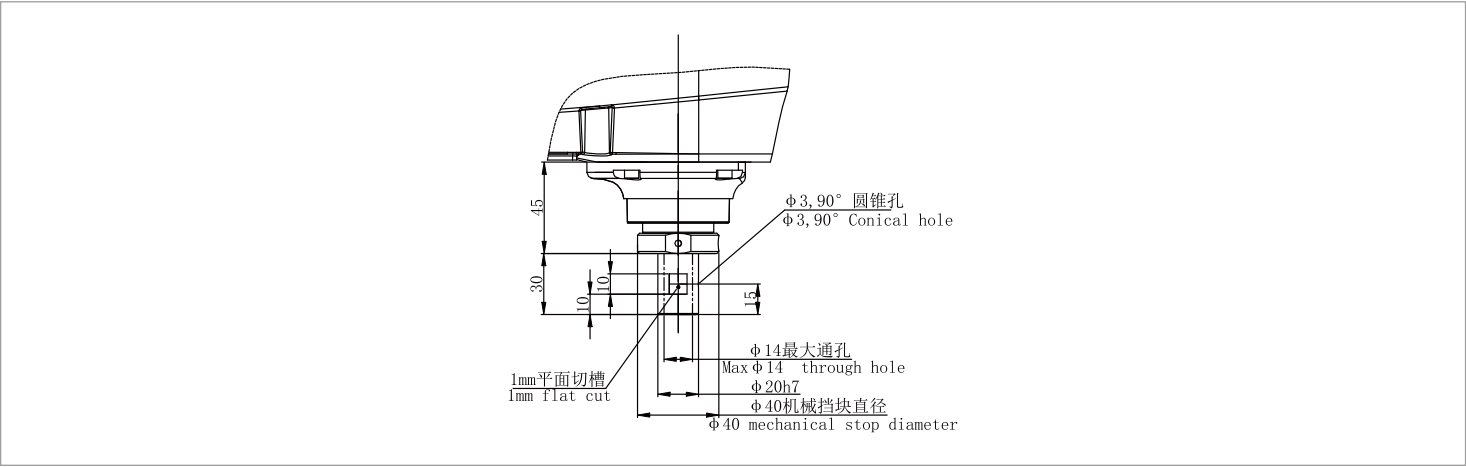
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



Information Release Time 2025/04

PHONE: (00 86) 400-052-8877
ADDRESS: No. 96, Wanchun East Road, Wuhu,
China (Anhui) Pilot Free Trade Zone
WWW.EFORT.COM.CN

EFORT Intelligent Robot Co., Ltd.