

EFOFT

ESR6-600Z20

ESR6-600Z20,
Maximum payload 6 kg with maximum reach 600 mm.

■ **Highlights**

1. High rhythm and high precision
The fastest standard cycle time can reach 0.355 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**

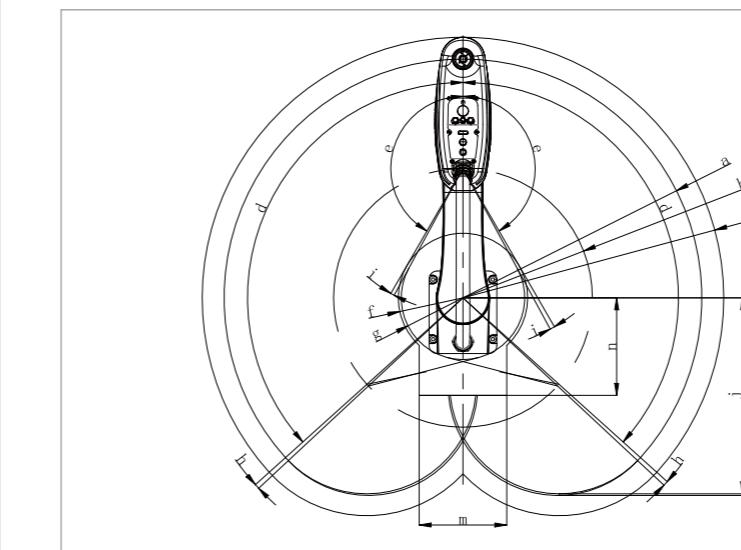
- Suitable for industries such as electronic manufacturing, lithium batteries, automotive electronics, and photovoltaics.

SPECIFICATIONS

Model		ESR6-600Z20
Reach		600 mm
Max. payload on wrist	Rated	2 kg
	Maximum	6 kg
Robot weight		19 kg
Maximum speed	J1+J2	7850 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		0.355 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 environment	Ambient temperature	5~40°C
	Ambient humidity	RH≤80% (No dew nor frost allowed)

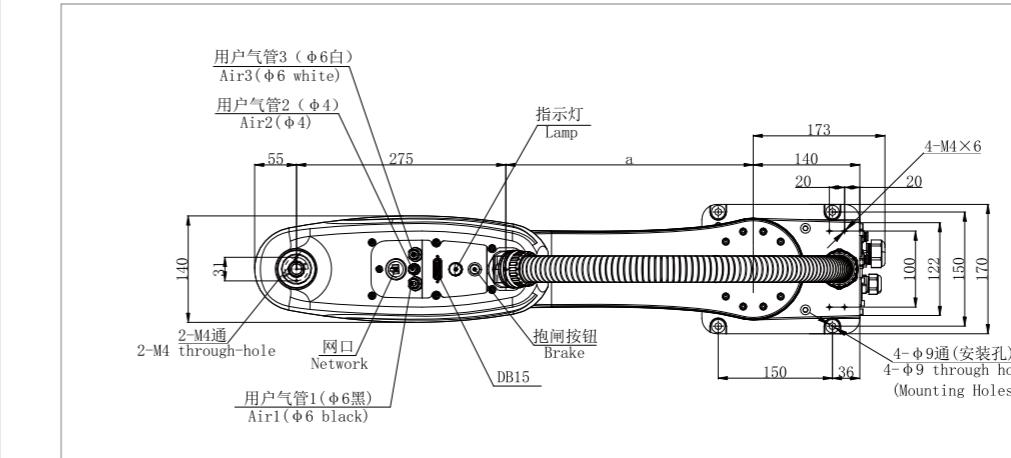


OPERATING SPACE



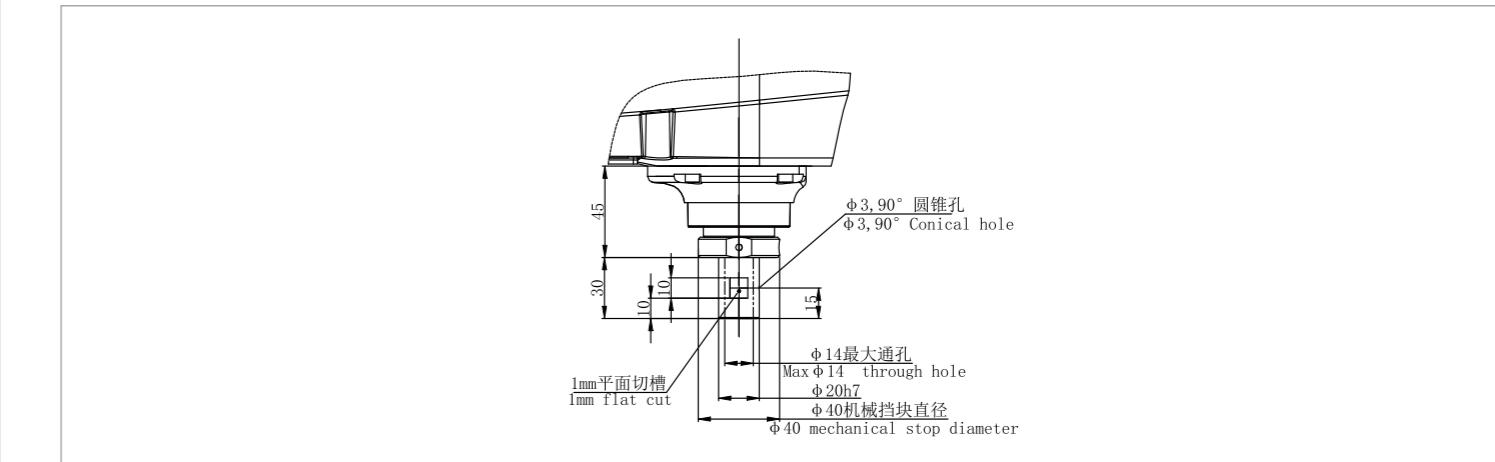
ESR6 series range of motion parameters for different arm lengths		
The name of the model	ESR6-500Z20	ESR6-600Z20
a. 第一轴臂长-第二轴臂长 (mm)	500	600
b. 第二轴臂长 (mm)	225	325
c. 第三轴臂长 (mm)	225	325
c. 最大运动范围 (mm)	555	655
d. Range of motion of the 1st joint (°)	132	
e. Range of motion of the 2nd joint (°)	150	
f. 运动范围	138.1	162.6
g. 检测距离的范围 (mm)	132.3	155.4
g. The range of detection distance stop bits (mm)	132.3	155.4
h. 第一关节机械停止角度 (°)	1	
i. 第二关节机械停止角度 (°)	1.5	
j. The angle of the mechanical stop position of the 2nd joint (°)	425.6	492.5
k. 第三方机械停止位置范围 (mm)	428.5	496.6
l. 第三方机械停止位置 (mm)	428.5	564.8
m. 运动范围	240	220
n. 运动范围	245	

BASE MOUNTING SIZE



ESR6 series with different arm lengths		
The name of the model	ESR6-500Z20	ESR6-600Z20
a	225	325
b	565	575
c	585	

END FLANGE MOUNTING SIZE



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