

EXR12-900

EFORT

EXR12-900,
Maxium payload 12 kg with maxium reach 944 mm.

Highlights

Developed and designed based on EFORT's mature platform, it is stable and reliable;
Equipped with a battery-free encoder, featuring a fully sealed design, fully wrapped cables, and closed-loop explosion-proof control with a complete cavity, it is safer;
Explosion protection level: Ex db ib pxb IIC T6 Gb; Ex ib pxb tb IIIC T80°C Db. It can be used in hazardous environments in Zone 1 and Zone 21.

Applications

It can be applied to dust or gas explosion-proof scenarios in handling, sorting, assembly, grinding, polishing, spraying, and other applications.

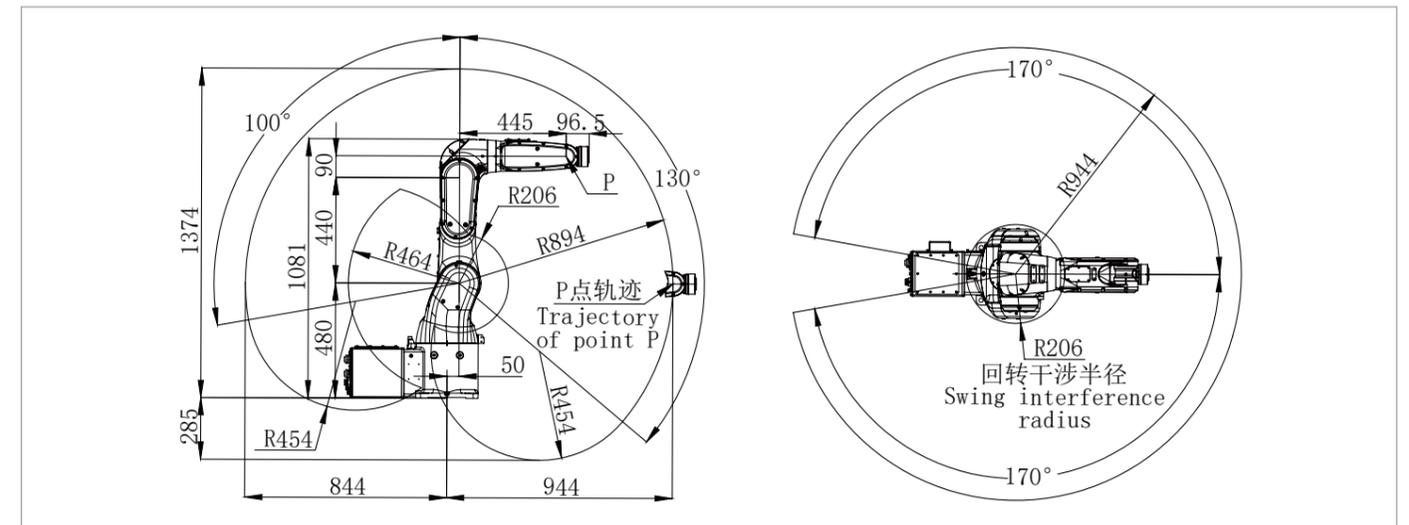


SPECIFICATIONS

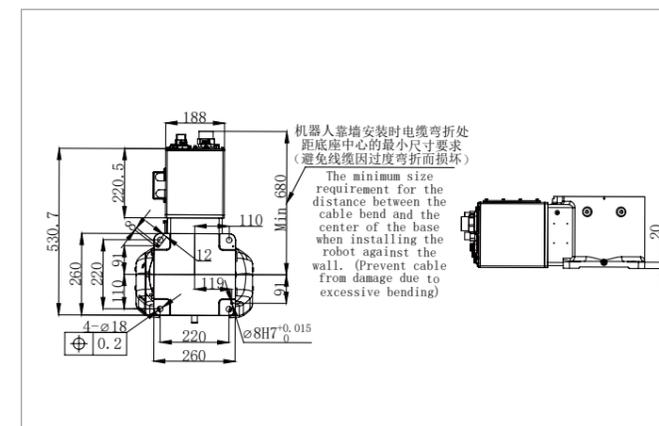
Model	EXR12-900	
Type	Articulated	
Controlled axes	6 Axes	
Max. payload on wrist	12 kg	
Repeatability	±0.02 mm	
Robot weight	90 kg	
Reach	944 mm	
Robot IP grade	IP65	
Cabinet IP grade	IP54	
Explosion protection level	Ex db ib pxb IIC T6 Gb Ex ib pxb tb IIIC T80°C Db	
Drive mode	AC servo drive	
Installation	Floor	
Installation environment	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	25 N·m
	J5	25 N·m
	J6	12 N·m
Allowable load inertia at wrist	J4	0.78 kg·m ²
	J5	0.78 kg·m ²
	J6	0.3 kg·m ²
Maximum speed	J1	245°/sec
	J2	225°/sec
	J3	330°/sec
	J4	500°/sec
	J5	420°/sec
	J6	720°/sec
Motion range	J1	±170°
	J2	+100°-130°
	J3	+193°-75°
	J4	±190°
	J5	±120°
	J6	±360°

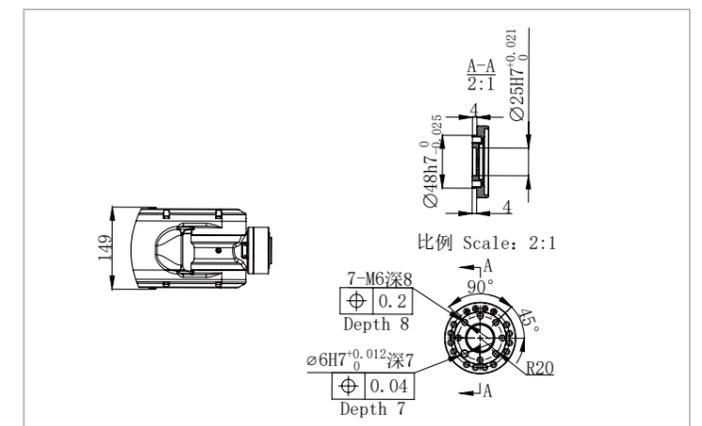
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



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