

EXR50-1900

EFORT

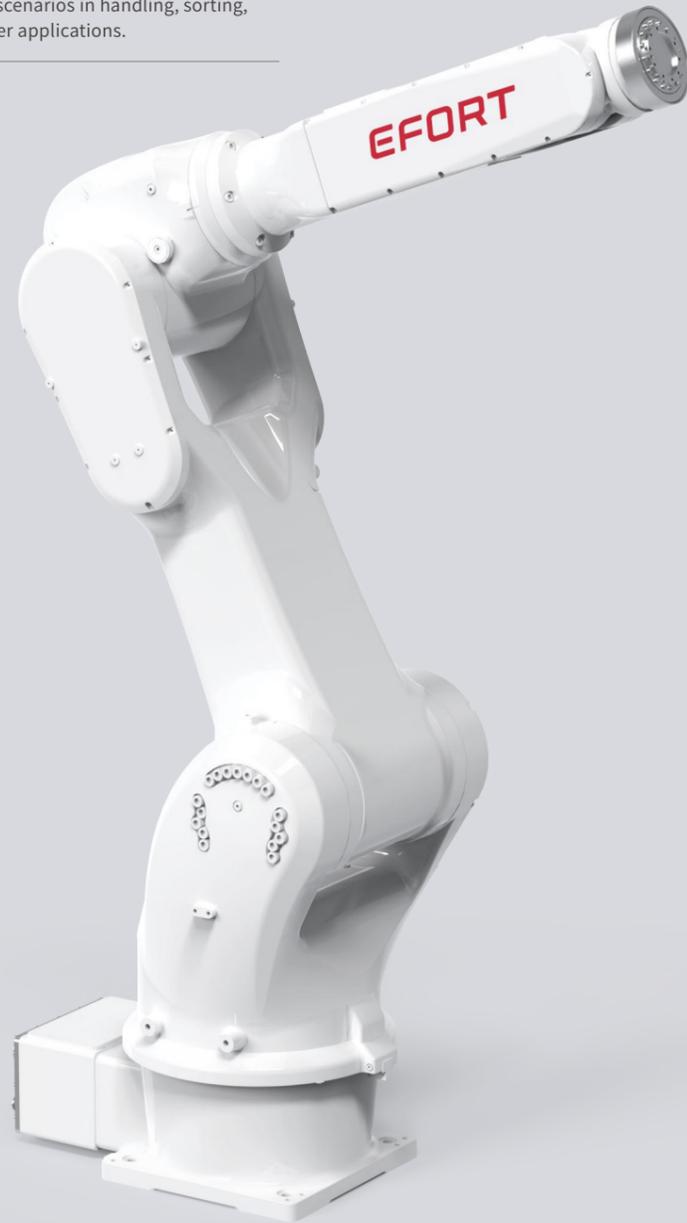
EXR50-1900,
Maximum payload 50 kg with maximum reach 1855 mm.

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.



EFORT Intelligent Robot Co., Ltd.

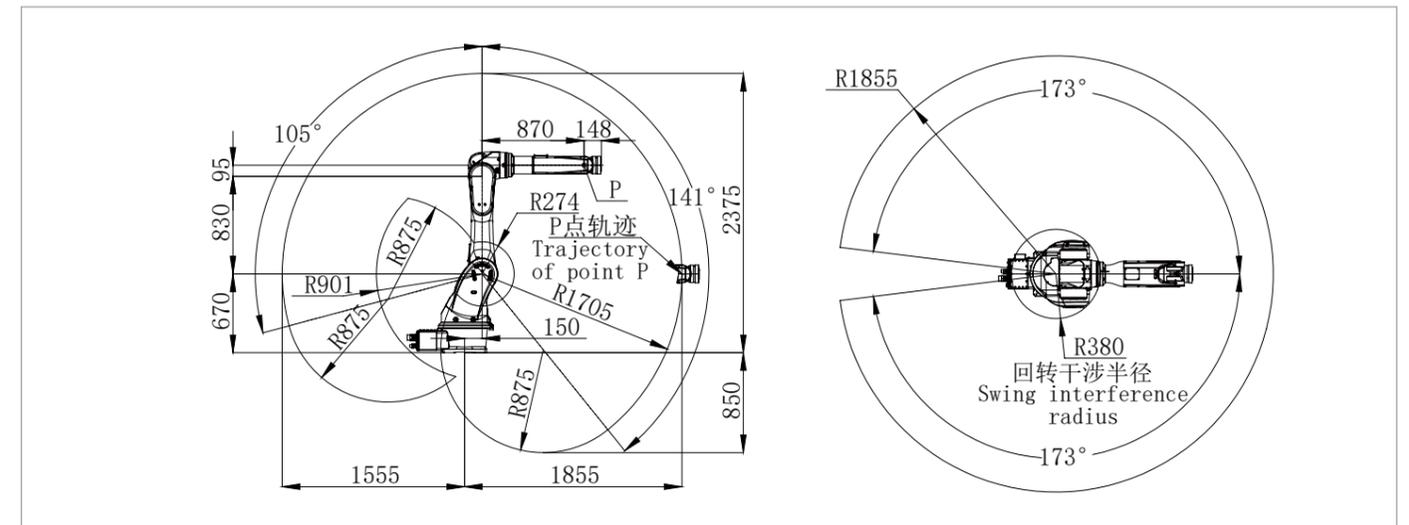
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SPECIFICATIONS

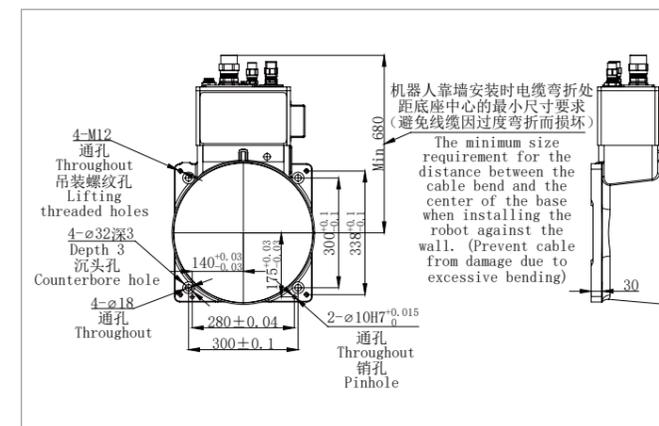
Model	EXR50-1900	
Type	Articulated	
Controlled axes	6 Axes	
Max. payload on wrist	50 kg	
Repeatability	±0.05 mm	
Robot weight	330 kg	
Reach	1855 mm	
Robot IP grade	IP65	
Cabinet IP grade	IP54	
Explosion protection level	Ex db ib pxb IIC T6 Gb Ex ib pxb tb IIIC T80°C Db	
Drive mode	AC servo drive	
Installation	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	185 N·m
	J5	185 N·m
	J6	120 N·m
Allowable load inertia at wrist	J4	13 kg·m ²
	J5	13 kg·m ²
	J6	10 kg·m ²
Maximum speed	J1	190°/sec
	J2	190°/sec
	J3	200°/sec
	J4	300°/sec
	J5	270°/sec
	J6	400°/sec
Motion range	J1	±173°
	J2	+105°/-141°
	J3	+200°/-78°
	J4	±190°
	J5	±120°
	J6	±360°

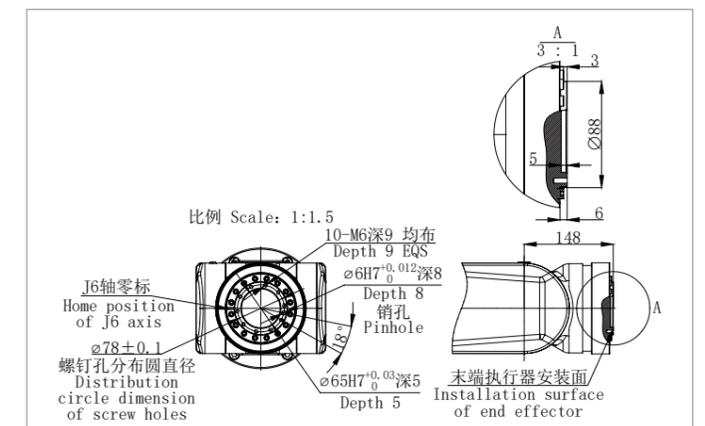
OPERATING SPACE



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.