

# ER70-1900

EFORT

ER70-1900,  
Maxium payload 70 kg with maxium reach 1901 mm.

## Highlights

Thanks to the high stiffness structure, with high-speed intelligent palletizing application software, the takt is improved by 20%, bring customers more efficiency;  
Multiple specific application software could be integrated, with soft PLC and a variety of field bus interface, which enable customers easily face various application challenges;  
High performance collision detection function helps safety realization.

## Applications

It can be used in grinding, polishing, handling operations, palletizing, etc.

## Industries

Suitable for auto parts, photovoltaic, food and beverage, building materials, logistics and warehousing and other industries.

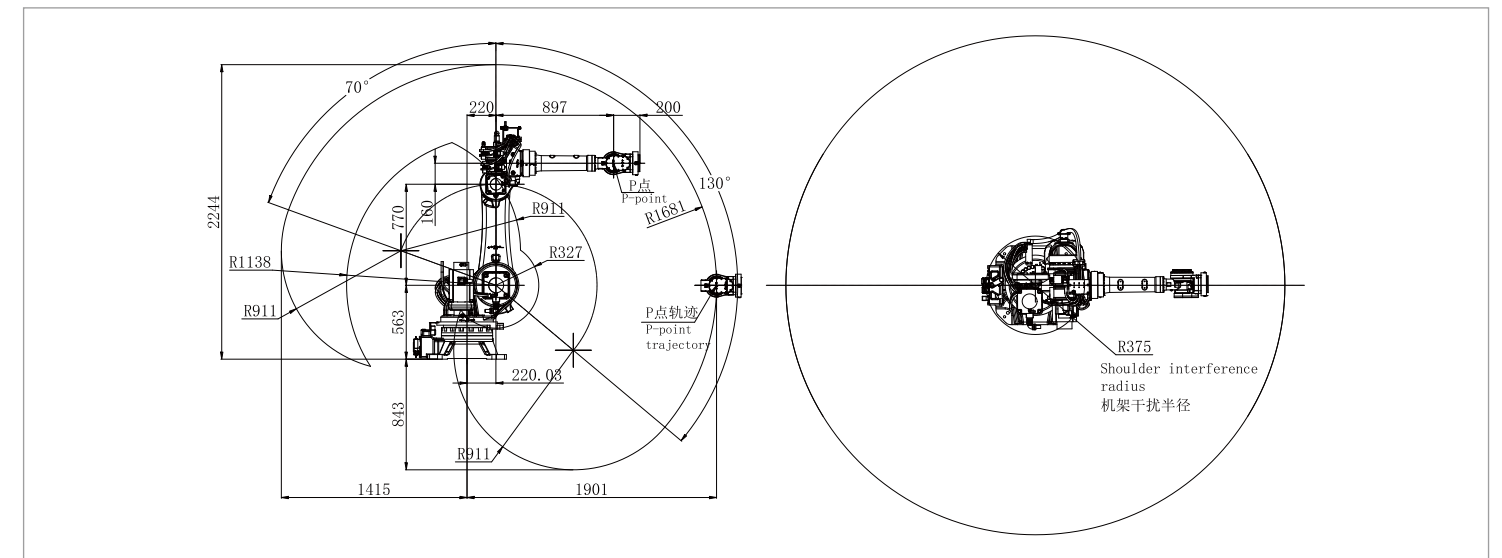


## SPECIFICATIONS

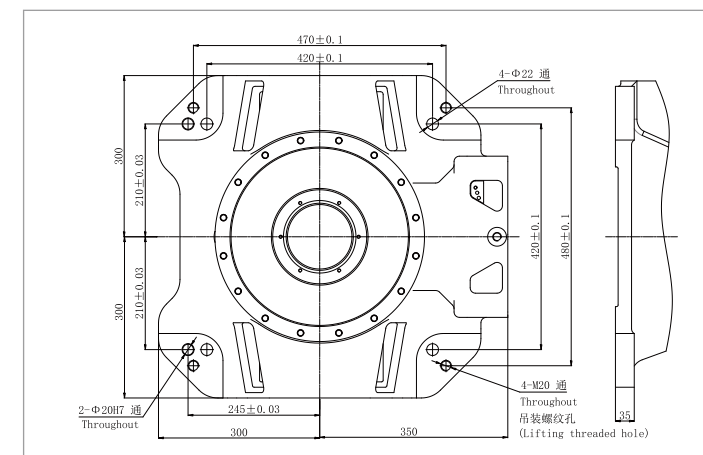
<b>Model</b>		ER70-1900
<b>Type</b>		Articulated
<b>Controlled axes</b>		6 Axes
<b>Max. payload on wrist</b>		70 kg
<b>Repeatability</b>		±0.06 mm
<b>Robot weight</b>		545 kg
<b>Reach</b>		1901 mm
<b>Robot IP grade</b>		IP54/IP67 (Wrist)
<b>Cabinet IP grade</b>		IP54
<b>Drive mode</b>		AC servo drive
<b>Installation</b>		Floor
<b>Installation enviroment</b>	<b>Ambient temperature</b>	0~45 °C
	<b>Ambient humidity</b>	RH≤80% (No dew nor frost allowed)
	<b>Vibration acceleration</b>	4.9 m/s <sup>2</sup> (<0.5 G)

<b>Allowable load moment at wrist</b>	<b>J4</b>	182 N·m
	<b>J5</b>	182 N·m
	<b>J6</b>	120 N·m
<b>Allowable load inertia at wrist</b>	<b>J4</b>	12.68 kg·m <sup>2</sup>
	<b>J5</b>	12.68 kg·m <sup>2</sup>
	<b>J6</b>	10 kg·m <sup>2</sup>
<b>Maximum speed</b>	<b>J1</b>	210°/sec
	<b>J2</b>	160°/sec
	<b>J3</b>	190°/sec
	<b>J4</b>	310°/sec
	<b>J5</b>	270°/sec
	<b>J6</b>	400°/sec
<b>Motion range</b>	<b>J1</b>	±180°
	<b>J2</b>	+70°-130°
	<b>J3</b>	+175°-80°
	<b>J4</b>	±360°
	<b>J5</b>	±115°
	<b>J6</b>	±450°

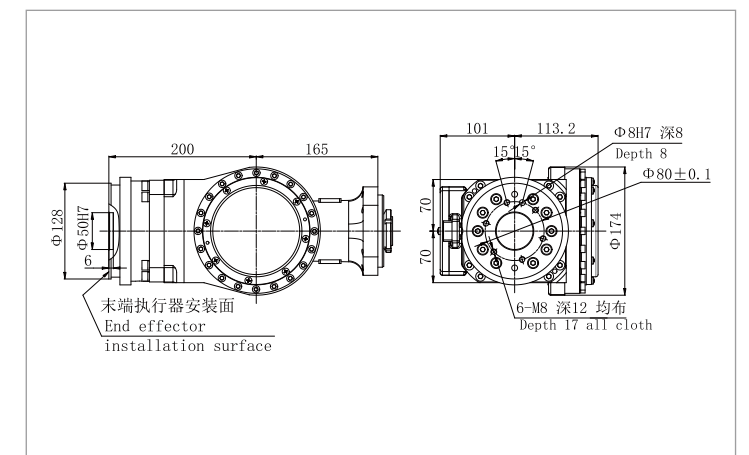
## OPERATING SPACE



## BASE MOUNTING SIZE



## END FLANGE MOUNTING SIZE



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