

# ER130-4-2800

**EFORT**

**ER130-4-2800,**  
Maxium payload 130 kg with maxium reach 2816 mm.

## ■ Highlights

The new topology optimization design features the machine light weight and high stiffness, with great dynamic response performance. Intelligent palletizing application visualization software increas the efficiency by 20% to help customers with better production performance;  
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 handling operations, palletizing, etc.

## ■ Industries

Suitable for metal parts, photovoltaic, logistics, cement, food and beverage and other industries.

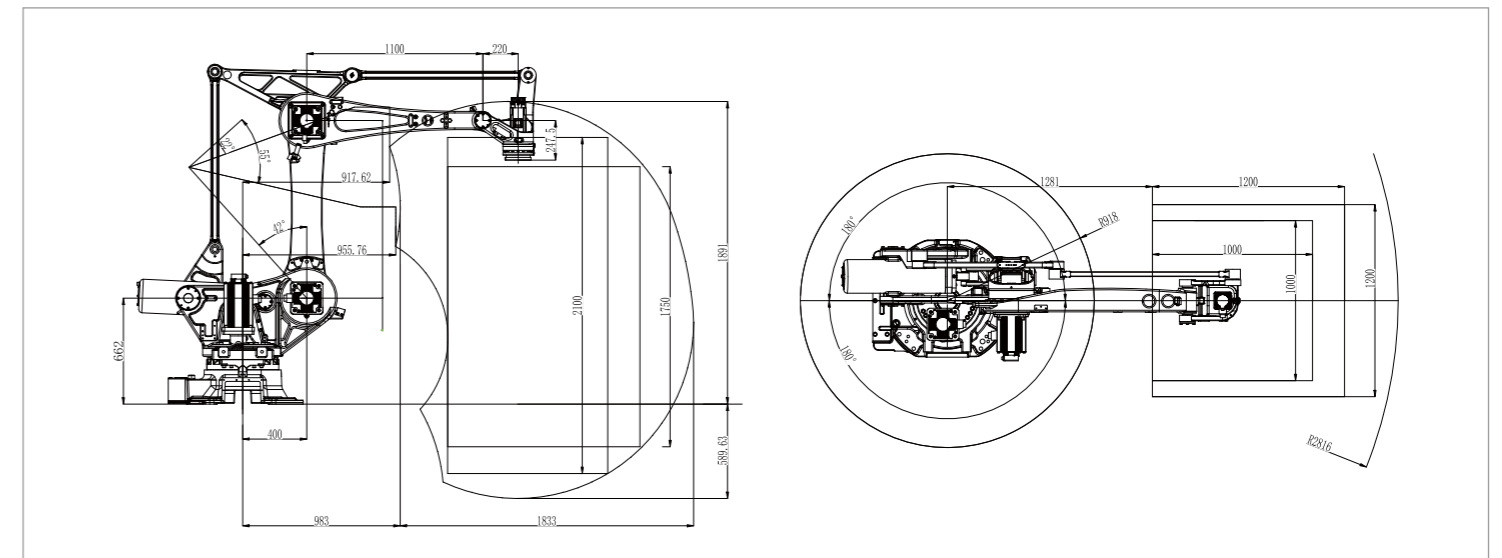


## SPECIFICATIONS

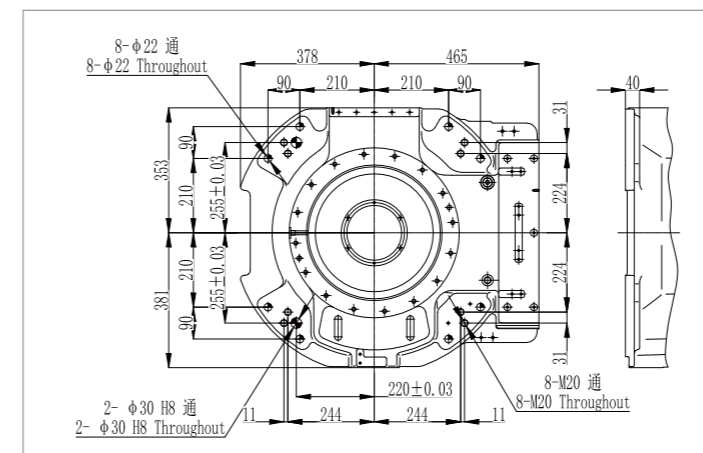
<b>Model</b>	ER130-4-2800	
<b>Type</b>	Articulated	
<b>Controlled axes</b>	4 Axes	
<b>Max. payload on wrist</b>	130 kg	
<b>Repeatability</b>	±0.1 mm	
<b>Robot weight</b>	970 kg	
<b>Reach</b>	2816 mm	
<b>Robot IP grade</b>	IP54/IP65 (Optional)	
<b>Cabinet IP grade</b>	IP54	
<b>Installation enviroment</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>Drive mode</b>	AC servo drive	
<b>Installation</b>	Floor, Wall	
<b>Allowable load moment at wrist</b>	<b>J4</b>	36.25 N·m
	<b>J4</b>	50 kg·m <sup>2</sup>
<b>Maximum speed</b>	<b>J1</b>	110°/sec
	<b>J2</b>	110°/sec
	<b>J3</b>	105°/sec
	<b>J4</b>	330°/sec
<b>Motion range</b>	<b>J1</b>	±180°
	<b>J2</b>	+42°/-85°
	<b>J3</b>	+85°/-55°
	<b>J4</b>	±360°
	<b>J2+J3</b>	-115° < (J2+J3) < +20°

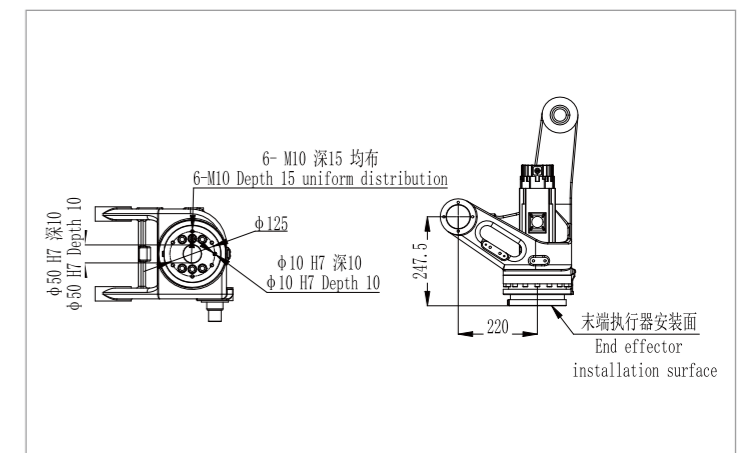
## OPERATING SPACE



## BASE MOUNTING SIZE



## END FLANGE MOUNTING SIZE



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