

# Medium-Large Payloads Robot

# ER130-4-2800

**EFORT**

ER130-4-2800 is a medium-large payloads robot.  
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 widely used in handling, machine tending, palletizing and other applications.

### Industries

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

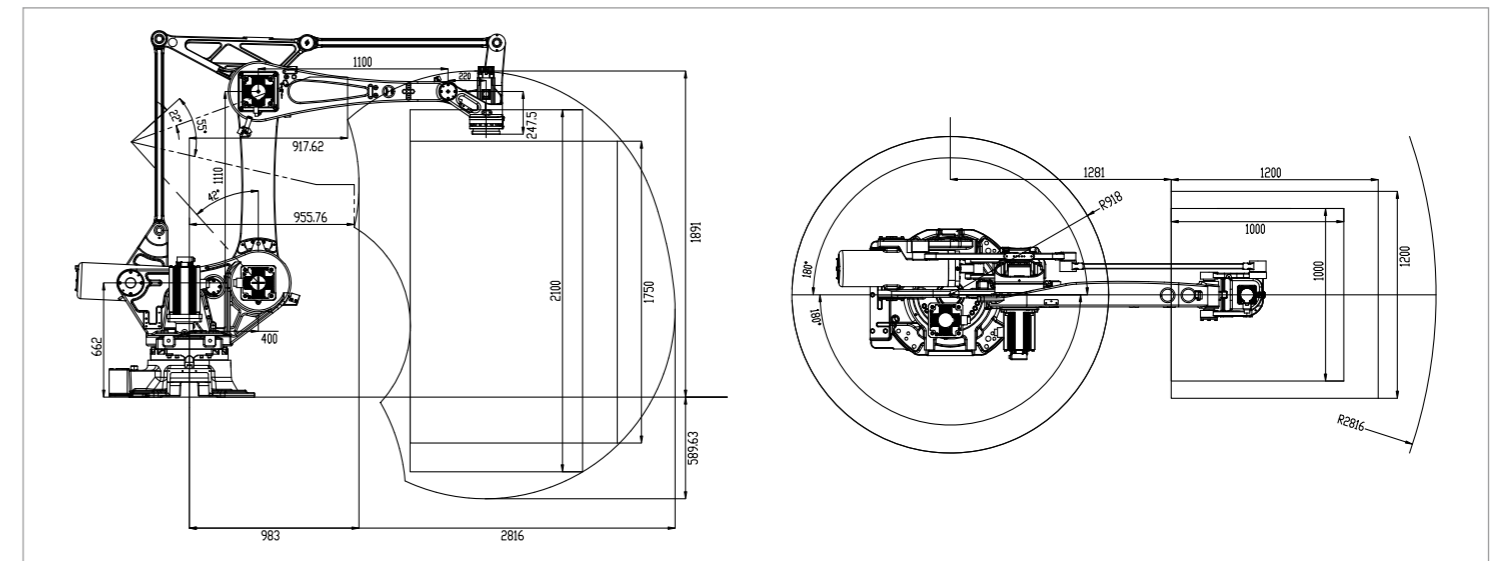


## SPECIFICATIONS

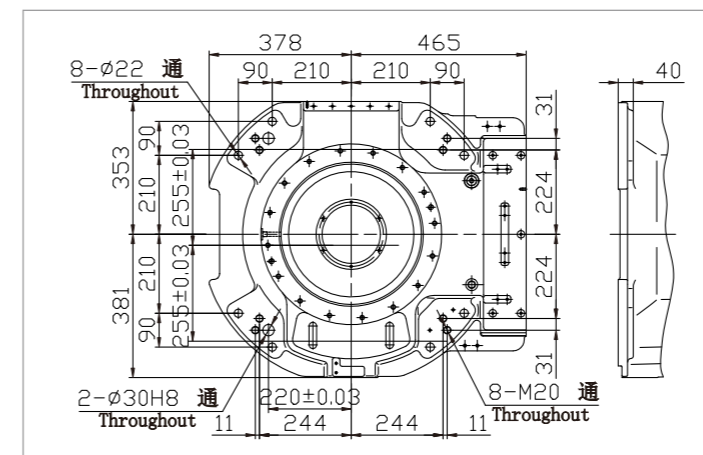
<b>Model</b>	ER130-4-2800	
<b>Type</b>	Articulated Type	
<b>Controlled Axes</b>	4 Axes	
<b>Wrist Payload</b>	130 kg	
<b>Repeatability</b>	±0.1 mm	
<b>Robot Weight</b>	970 kg	
<b>Reach</b>	2816 mm	
<b>Robot IP Grade</b>	IP54	
<b>Cabinet IP Grade</b>	IP54	
<b>Environment Requirements</b>	<b>Ambient Temperature</b>	0-45 °C
	<b>Humidity</b>	< 75%RH ( No Condensation )
	<b>Vibration Acceleration</b>	4.9 m/s <sup>2</sup> ( < 0.5 G )

<b>Drive Method</b>	Electric servo drive by AC servo motor	
<b>Installation</b>	Floor, Wall mount	
<b>Allowable Torque</b>	<b>J4</b>	36.25 N.m
<b>Allowable Moment of Inertia</b>	<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°

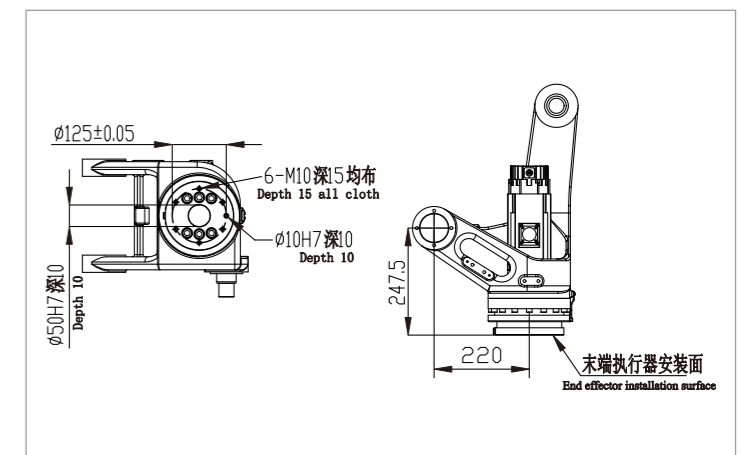
## OPERATING SPACE



## BASE MOUNTING SIZE



## END FLANGE MOUNTING SIZE



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