# **Medium Payloads Robot**

ER20-1700

ER20-1700 is a medium payloads robot.

Maxium payload 20 kg with maxium reach 1722 mm.

## Highlights

Thanks to the new design of wrist, inertia and bearing capacity are increased by 20% with wider application scope;

Thanks to the high stiffness transmission design and advanced trajectory algorithm, the improved robot accuracy performance helps customers to face variety of application scenarios.

### Applications

It can be widely used in handling, assembly, machine tending ,polishing, deburring, and other applications.

#### ■ Industries

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



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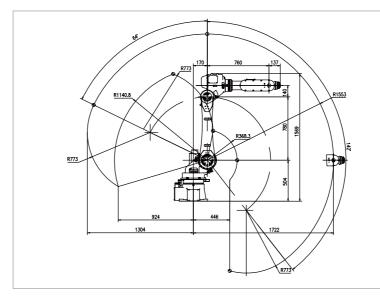
# **EFORT**

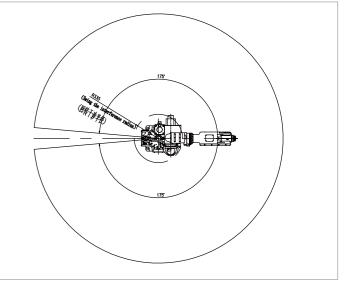
## **SPECIFICATIONS**

Model		ER20-1700
Туре		Articulated Type
Controlled Axes		6 Axes
Wrist Payload		20 kg
Repeatability		± 0.05 mm
Robot Weight		220 kg
Reach		1722 mm
Robot IP Grade		IP67 (Wrist) / IP54 (Others)
Cabinet IP Grade		IP43
Drive Method		Electric servo drive by AC servo motor
Installation		Floor, Upside-down, Wall mount
Environment Requirements	Ambient Temperature	0~45 ℃
	Humidity	<80%/40℃ (No Condensation)
	Vibration Acceleration	4.9 m/s²( < 0.5 G)

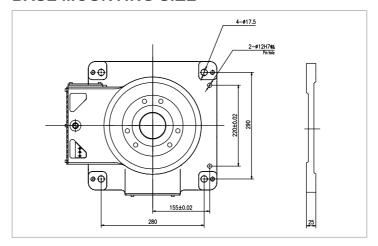
Allowable Torque	J4	42 N.m
	J5	42 N.m
	J6	26 N.m
Allowable Moment of Inertia	J4	1.18 kg.m²
	J5	1.18 kg.m²
	J6	0.8 kg.m²
	J1	170°/sec
	J2	150°/sec
Massimosum Curand	J3	146°/sec
Maximum Speed	J4	360°/sec
	J5	360°/sec
	J6	550°/sec
	J1	± 175°
	J2	+64°/-142°
Maties Danes	J3	+165°/-73°
Motion Range	J4	± 178°
	J5	± 128°
	J6	±720°

### **OPERATING SPACE**





## **BASE MOUNTING SIZE**



## **END FLANGE MOUNTING SIZE**

