

**Maxium Reach:2900 mm /
Hollow Wrist / Max Payload:15 kg**

Large hollow wrist with possibility of paint pipeline arranged in the wrist, convenient integration;
Supports aux axis;
Standard painting application software, built-in I/Os, easy integration, simple programming;
ATEX explosion-proof certification of China and Eu, can be used in zone 1 gas and zone 21 dust dangerous operation environment.

Specially designed for painting applications in automotive industries: such as BIW, bumpers;
Also can be used for container, engineering vehicles and other large workpiece painting.

Suitable for automobile and auto parts, tricycle and other industries.



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Max. Payload on Wrist		15 kg	
Reach		2900 mm	
Repeatability		±0.2 mm	
Motion Range & Maximum Speed		Motion Range	Maximum Speed
	J 1	±160°	120°/sec
	J 2	±135°	120°/sec
	J 3	-65°/+245°	120°/sec
	J 4	±540°	360°/sec
	J 5	±540°	420°/sec
	J 6	±540°	530°/sec
Allowable Load Moment at Wrist	J 4	44.2 N•m	
	J 5	28.8 N•m	
	J 6	15.1 N•m	
Allowable Load Inertia at Wrist	J 4	1.17 kg•m ²	
	J 5	0.87 kg•m ²	
	J 6	0.15 kg•m ²	

Technical drawing of a circular machine component, likely a mold or a part of a larger assembly. The drawing includes dimensions for radii (R1500, R2900), angles (+250°, +135°, -135°, -70°), and various linear measurements (450, 1500, 124, 102, 743, 374, 2381, 1400). A point 'P' is marked on the horizontal arm. A side view on the right shows the component's profile with a total height of 2381.

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*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.

Structure		6-Axis Series Structure
Installation		Floor,Upside-down,Wall,Angle mount
IP Grade	Robot	IP 65
	Cabinet	IP 54
Explosion-Proof	China	Ex ib mb px IIC T4 Gb
	ATEX-Gas	II 2G Ex pxb IIC T4 Gb
	ATEX-Dust	II 2D Ex pxb IIIC T135°C Db
Environment Requirements	Voltage	AC380V(±10%)
	Power Capacity	5.0 kVA
	Temperature	0-45 °C
	Humidity	20-80RH (No Condensation)
Arm Payload	Outer Arm	15 kg
	Inner Arm	15 kg
Weight	Robot	640 kg
	Cabinet	160 kg

Item	Standard	Optional	
Driver	6 Axes	6+2 Axes	
Connector Cable	Static:8 m	Max:30 m	
	/	Towing Cable:Max 30 m	
Pendant	8 m	Max:30 m	
DI/DO	16/16	/	
AI/AO	/	Customized:Max 4	
Communication Mode	Ethercat	ProfiNet	Cclink
Memory Capacity	1GB	/	
Connector	Ethercat network port	/	
Software Package	Painting Package	/	
Belt Tracking	/	Optional	
Color	RAL6018	Customized	

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