

**Maxium Reach:3074 mm /
Lemma Wrist / Max Payload:10 kg**

Provides floor mount, invert mount, wall mount and other installation methods;
The three-segment of the upper arm and facilitate the disassembly, installation and integration;
Configuration of the lemma 3R wrist has no singularity in front, which facilitates the integration;
The large diameter hollow wrist is configured, and the paint pipe can be arranged inside the wrist for easy integration;
It supports the expansion of additional axis;
Optional offline programming studio, standard painting process application, built-in peripheral equipment I/O, easy to program and integrate;
Through the explosion-proof certification of China, EU and ITTC, it can be used in zone 1 gas and zone 21 dust hazardous working environment.

Developed for general industrial painting applications, suitable for wood, furniture, ceramics, metal, hardware, containers, energy storage boxes, construction machinery, steel structure and other workpiece painting.

Suitable for wood, furniture, ceramics, metal, hardware, containers, energy storage boxes, construction machinery, steel structure and other industries.



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Max. Payload on Wrist		10 kg	
Reach		3074 mm	
Repeatability		±0.15 mm	
Motion Range & Maximum Speed		Motion Range	Maximum Speed
	J 1	± 160°	100°/sec
	J 2	± 135°	100°/sec
	J 3	-65°/+245°	120°/sec
	J 4	± 360°	360°/sec
	J 5	± 360°	400°/sec
	J 6	± 360°	450°/sec
Allowable Load Moment at Wrist	J 4	30 N·m	
	J 5	25 N·m	
	J 6	12 N·m	
Allowable Load Inertia at Wrist	J 4	0.8 kg·m ²	
	J 5	0.59 kg·m ²	
	J 6	0.1 kg·m ²	

Technical drawing of the R1674 robot arm, showing top and side views with dimensions.

Top View Dimensions:

- Overall width: 1674
- Distance from center to P point: 105
- Distance from center to P point (vertical): 136.5
- Angle between arm segments: $+245^{\circ}$
- Angle between arm segments: $+135^{\circ}$
- Angle between arm segments: -135°
- Radius of the circular base: R1674
- Radius of the arm segments: R3074
- Radius of the arm segments: R1674
- Distance from center to P point (horizontal): 1140
- Distance from center to P point (vertical): 1400
- Distance from center to P point (vertical): 800

Side View Dimensions:

- Overall height: 2393
- Distance from center to P point (vertical): 779

*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
IP Grade	Robot	IP 65
	Cabinet	IP 54
Explosion-Proof	Gas	Ex db ib pxb IIC T4 Gb
	Dust	Ex ib pxb tb IIIC T135°C Db
Environment Requirements	Voltage	AC400V(±10%)
	Power Capacity	11 kVA
	Temperature	0-45 °C
	Humidity	RH≤80% (No Condensation)
Arm Payload	Outer Arm	15 kg
	Inner Arm	15 kg
Weight	Robot	660 kg
	Cabinet	160 kg

[illegible]

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	/	
Software Package	Painting Package	/	
Belt Tracking	/	Optional	
Color	RAL6018	Customized	

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