

GR6100-2700

**Maximum Reach:2674 mm /
Lemma Wrist / Max Payload:10 kg**

Highlights

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;
The 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.

Applications

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

Industries

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



EFORT Intelligent Robot Co., Ltd.

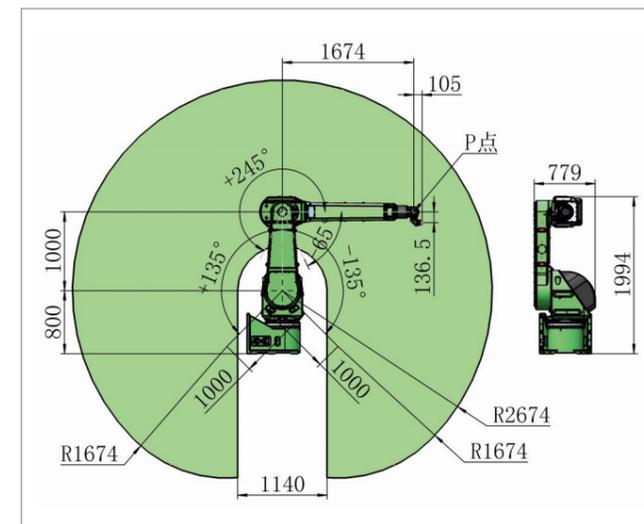
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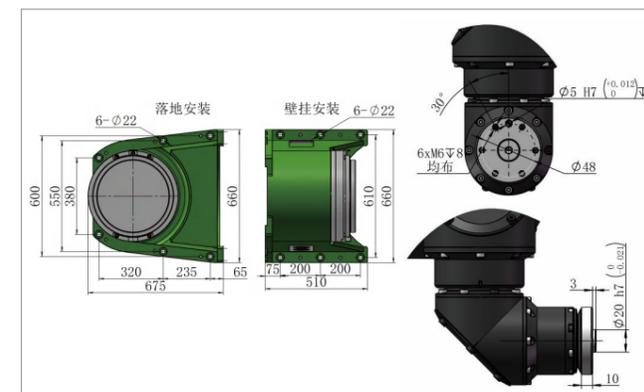
SPECIFICATIONS

Max. Payload on Wrist		10 kg	
Reach		2674 mm	
Repeatability		±0.15 mm	
Motion Range & Maximum Speed	Motion Range	Maximum Speed	
	J1	±160°	100°/sec
	J2	±135°	100°/sec
	J3	-65°/+245°	120°/sec
	J4	±360°	360°/sec
	J5	±360°	400°/sec
Allowable Load Moment at Wrist	J4	30 N·m	
	J5	25 N·m	
	J6	12 N·m	
Allowable Load Inertia at Wrist	J4	0.8 kg·m ²	
	J5	0.59 kg·m ²	
	J6	0.1 kg·m ²	

OPERATING SPACE



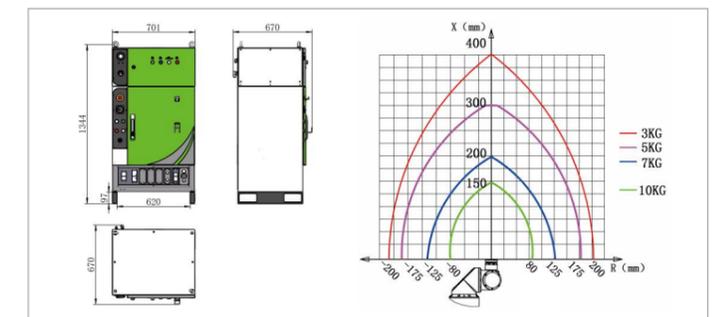
BASE & END FLANGE MOUNTING SIZE



GR-Series Painting Robot

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
Arm Payload	Outer Arm	15 kg
	Inner Arm	15 kg
Weight	Robot	650 kg
	Cabinet	160 kg

CONTROL CABINET SIZE & WRIST END LOAD MAP



SELECTION & CONFIGURATION TABLE

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	

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

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