

GR6150-1500

**Maximum Reach:1503 mm /
Hollow Wrist / Max Payload:15 kg**

Highlights

Provides floor mount, invert mount, wall mount, angle mount and other installation methods;
The segmented design of the upper arm cover and facilitate the disassembly, installation and 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 automotive painting is suitable for interior and exterior parts of auto and other automotive parts painting;
Also suitable for automotive and parts, engineering vehicles, special vehicles and other large workpiece painting.

Industries

Suitable for auto and auto parts, commercial vehicles, special vehicles, two-wheeled and three-wheeled vehicles, rail transit, construction machinery, aviation, ships and other industries.



EFORT Intelligent Robot Co., Ltd.

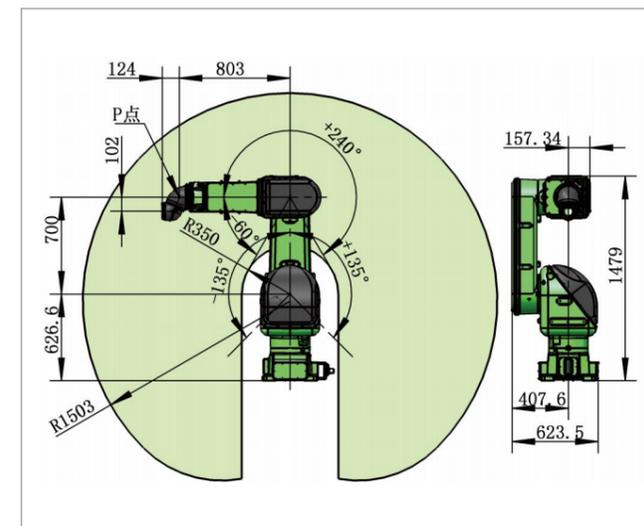
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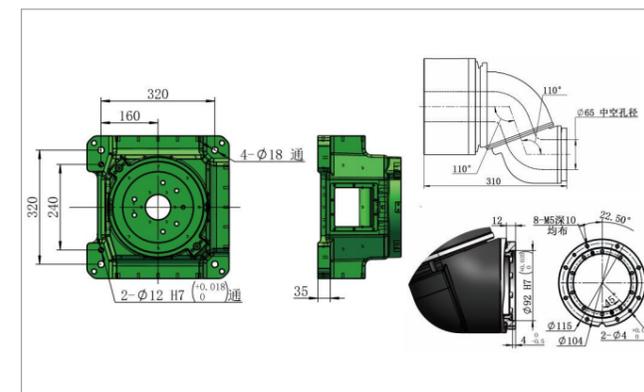
SPECIFICATIONS

Max. Payload on Wrist		15 kg	
Reach		1503 mm	
Repeatability		±0.15 mm	
Motion Range & Maximum Speed		Motion Range	Maximum Speed
	J1	±160°	180°/sec
	J2	±135°	180°/sec
	J3	-60°/+240°	180°/sec
	J4	±540°	360°/sec
	J5	±540°	400°/sec
	J6	±540°	450°/sec
Allowable Load Moment at Wrist	J4	44.2 N·m	
	J5	28.8 N·m	
	J6	15.1 N·m	
Allowable Load Inertia at Wrist	J4	1.17 kg·m ²	
	J5	0.87 kg·m ²	
	J6	0.15 kg·m ²	

OPERATING SPACE



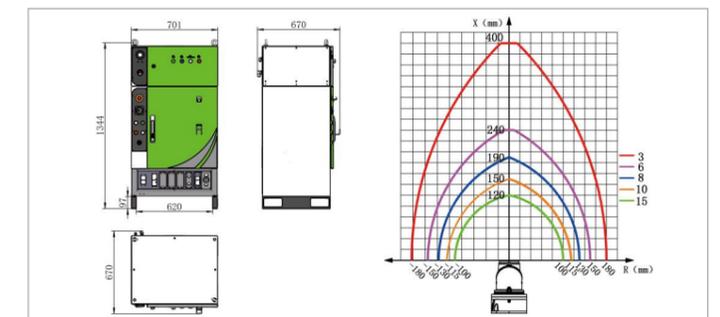
BASE & END FLANGE MOUNTING SIZE



GR-Series Painting Robot

Structure		6-Axis Series Structure
Installation		Floor,Upside-down,Wall,Angle mount
IP Grade	Robot	IP 65
	Cabinet	IP 54
Explosion-Proof	GB-Gas	Ex ib mb pxb IIC T4 Gb
	GB-Dust	Ex ib mb pxb IIIC T135°C Db
	ATEX-Gas	II 2G Ex pxb IIC T4 Gb
	ATEX-Dust	II 2D Ex pxb IIIC T135°C Db
Environment Requirements	Voltage	AC400V(±10%)
	Power Capacity	11 kVA
	Temperature	0-40 °C
Arm Payload	Outer Arm	15 kg
	Inner Arm	10 kg
Weight	Robot	270 kg
	Cabinet	140 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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