

GR6150-2500

**Maxium Reach:2503 mm /
Hollow Wrist / Max Payload:15 kg**

Highlights

Providing floor mount, invert mount, wall mount and other installation methods the three-segment 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 make sit 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, suitable for interior and exterior parts of auto and other automotive parts painting;
Also suitable for 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.

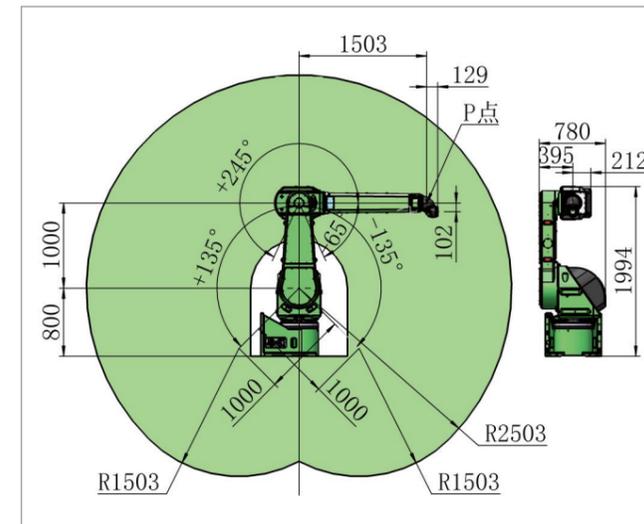
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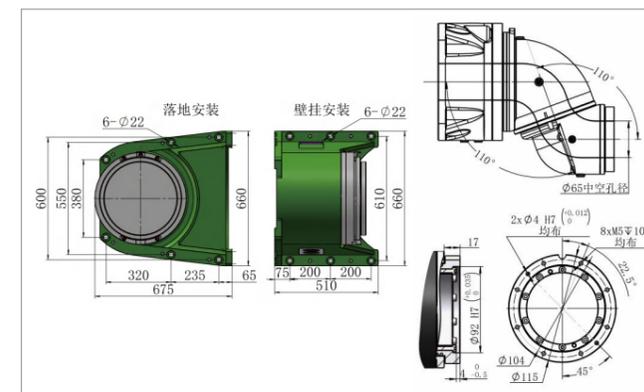
SPECIFICATIONS

Max. Payload on Wrist		15 kg	
Reach		2503 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	±540°	360°/sec
	J5	±540°	420°/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



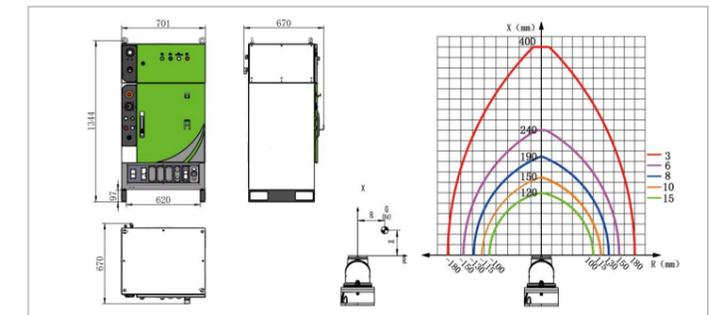
BASE& END FLANGE MOUNTING SIZE



GR-Series Painting Robot

Structure		6-Axis Series Structure
Installation		Floor,Upside-down,Wall
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	Humidity	RH≤80% (No Condensation)
	Outer Arm	15 kg
Weight	Inner Arm	15 kg
	Robot	640 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

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