

# GR6150-2000

**Maxium Reach:2033 mm /  
Hollow Wrist / Max Payload:15 kg**

## Highlights

Provides 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, 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;  
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.



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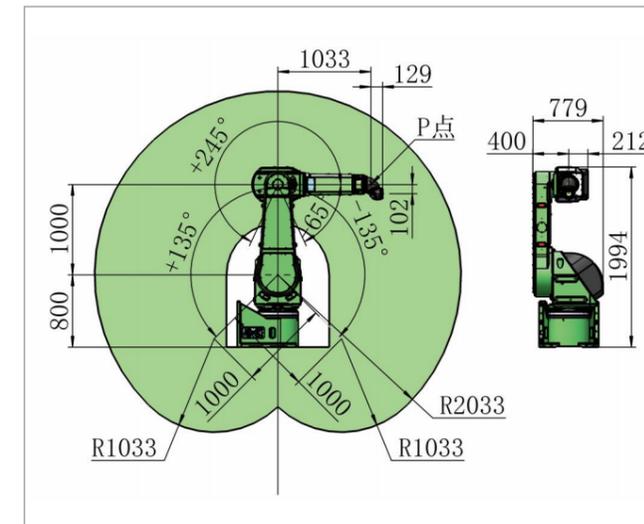
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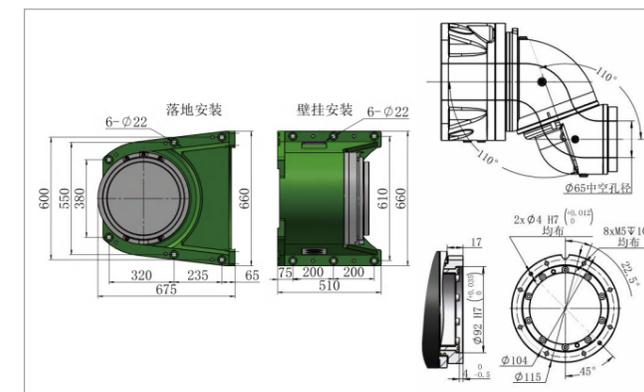
## SPECIFICATIONS

<b>Max. Payload on Wrist</b>	15 kg		
<b>Reach</b>	2033 mm		
<b>Repeatability</b>	±0.15 mm		
<b>Motion Range &amp; Maximum Speed</b>	<b>Motion Range</b>	<b>Maximum Speed</b>	
	<b>J1</b>	±160°	100°/sec
	<b>J2</b>	±135°	100°/sec
	<b>J3</b>	-65°/+245°	120°/sec
	<b>J4</b>	±540°	360°/sec
	<b>J5</b>	±540°	420°/sec
<b>Allowable Load Moment at Wrist</b>	<b>J4</b>	44.2 N·m	
	<b>J5</b>	28.8 N·m	
	<b>J6</b>	15.1 N·m	
<b>Allowable Load Inertia at Wrist</b>	<b>J4</b>	1.17 kg·m <sup>2</sup>	
	<b>J5</b>	0.87 kg·m <sup>2</sup>	
	<b>J6</b>	0.15 kg·m <sup>2</sup>	

## OPERATING SPACE



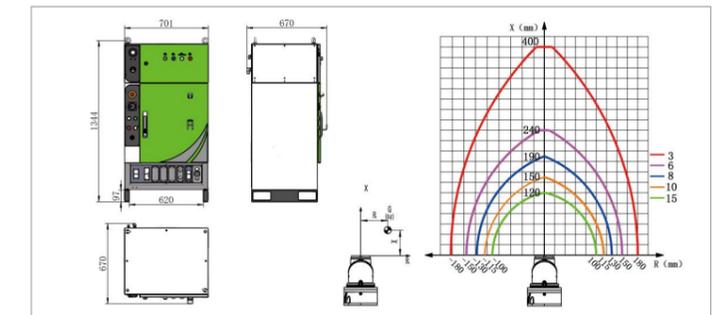
## BASE& END FLANGE MOUNTING SIZE



## GR-Series Painting Robot

<b>Structure</b>	6-Axis Series Structure	
<b>Installation</b>	Floor, Upside-down, Wall	
<b>IP Grade</b>	<b>Robot</b>	IP 65
	<b>Cabinet</b>	IP 54
<b>Explosion-Proof</b>	<b>Gas</b>	Ex db ib pxb IIC T4 Gb
	<b>Dust</b>	Ex ib pxb tb IIIC T135°C Db
<b>Environment Requirements</b>	<b>Voltage</b>	AC400V(±10%)
	<b>Power Capacity</b>	11 kVA
	<b>Temperature</b>	0-45 °C
<b>Arm Payload</b>	<b>Outer Arm</b>	15 kg
	<b>Inner Arm</b>	15 kg
<b>Weight</b>	<b>Robot</b>	630 kg
	<b>Cabinet</b>	160 kg

## CONTROL CABINET SIZE&WRIST END LOAD MAP



## SELECTION&CONFIGURATION TABLE

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

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