

# 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.



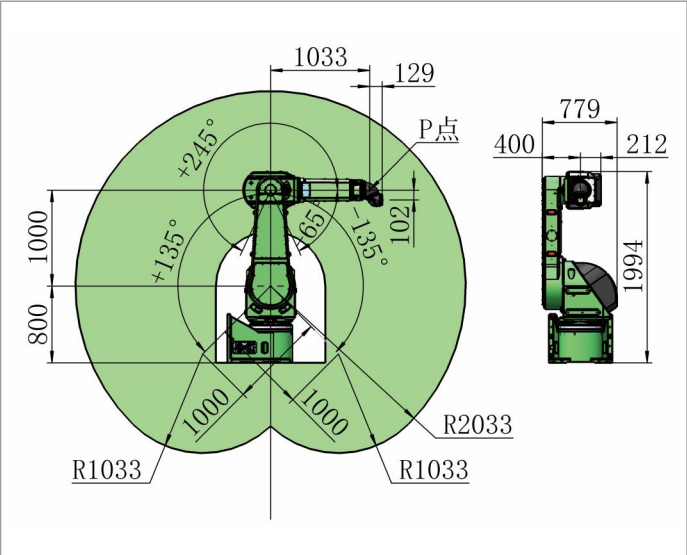
**EFORT Intelligent Robot Co., Ltd.**  
PHONE: (00 86) 400-052-8877  
ADDRESS: No. 96, Wanchun East Road, Wuhu, China  
(Anhui) Pilot Free Trade Zone  
WWW.EFORT.COM.CN

EFORT

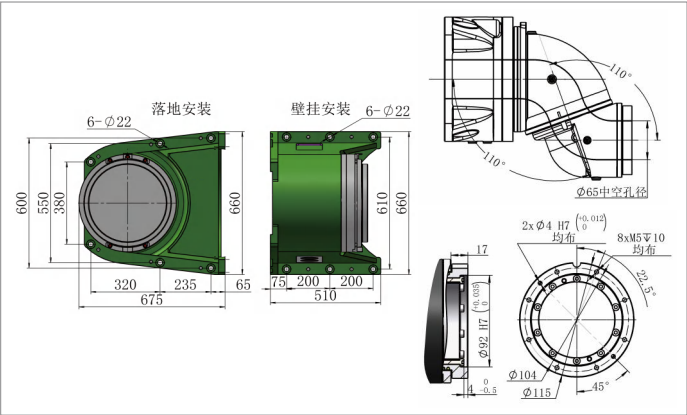
## SPECIFICATIONS

Max. Payload on Wrist		15 kg	
Reach		2033 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 <sup>2</sup>	
	J5	0.87 kg·m <sup>2</sup>	
	J6	0.15 kg·m <sup>2</sup>	

## OPERATING SPACE



## BASE& END FLANGE MOUNTING SIZE

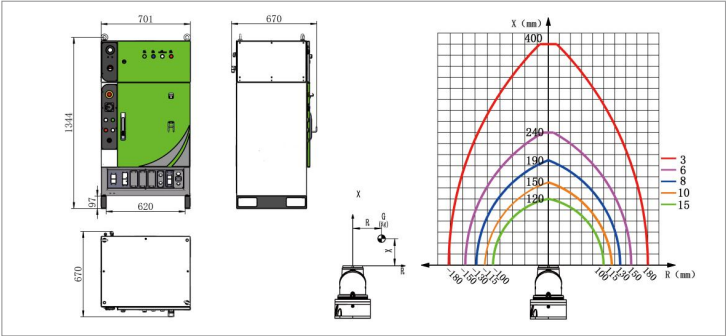


\*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.

## 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	630 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	

Information Release Time 2025/05