

GR6100-3800

Maxium Reach:3750 mm /
Lemma Wrist / Max Payload:10 kg

- Highlights**
Wider painting range, with lemma 3R wrist at the robot end, no singularity in the front;
The electric control cabinet complies with EN ISO13849 PLd security level and supports aux axis;
Standard painting application software, built-in I/Os, easy integration, simple programming;
ATEX explosion-proof certification of China and Eu, can be used in zone 1 gas and zone 21 dust dangerous operation environment.
- Applications**
Specially designed for large flat workpiece painting: such as wooden door, window frame, pipe;
Also can be used for multi-size irregular parts: such as large vehicles.
- Industries**
Suitable for furniture, automobile and other industries.



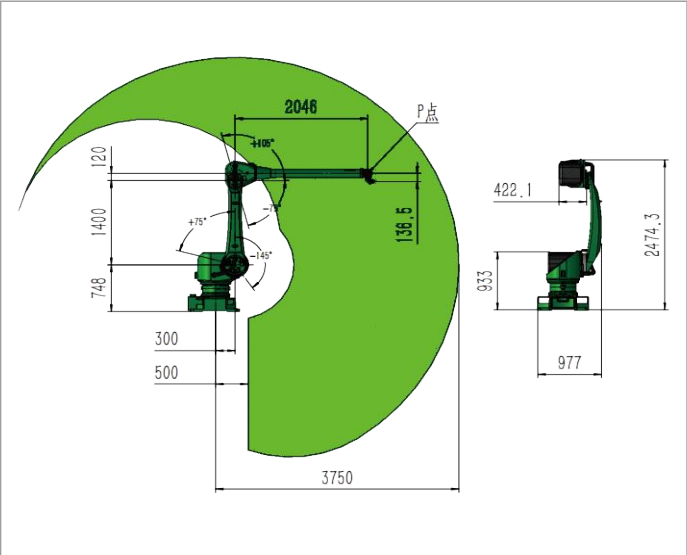
EFORT Intelligent Robot Co., Ltd.
PHONE: (00 86) 400-052-8877
ADDRESS: No. 96, Wanchun East Road, Wuhu, China
(Anhui) Pilot Free Trade Zone
WWW.EFORT.COM.CN

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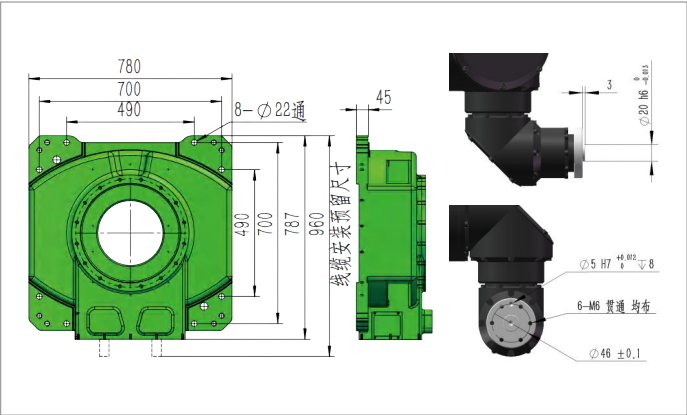
SPECIFICATIONS

Max. Payload on Wrist		10 kg	
Reach		3750 mm	
Repeatability		±0.2 mm	
Motion Range & Maximum Speed		Motion Range	Maximum Speed
	J1	±155°	130°/sec
	J2	+75°/-145°	150°/sec
	J3	+105°/-75°	150°/sec
	J4	±360°	600°/sec
	J5	±360°	600°/sec
Allowable Load Moment at Wrist	J4	33.2 N·m	
	J5	27.6 N·m	
	J6	15.1 N·m	
Allowable Load Inertia at Wrist	J4	1.17 kg·m ²	
	J5	0.62 kg·m ²	
	J6	0.15 kg·m ²	

OPERATING SPACE



BASE& END FLANGE MOUNTING SIZE

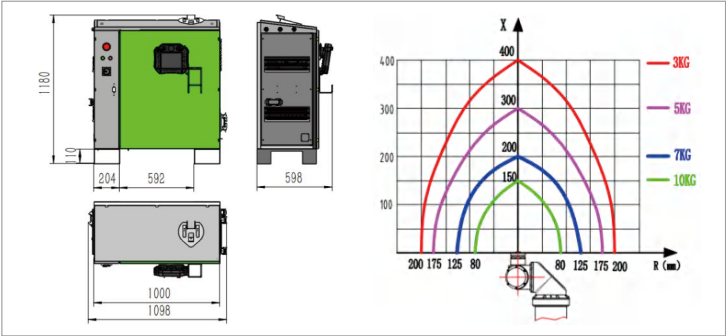


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GR-Series Painting Robot

Structure		6-Axis Series Structure	
Installation		Floor, Upside-down	
Safety Level		EN ISO13849 PLd	
IP Grade	Robot	IP 65	
	Cabinet	IP 54	
Explosion-Proof	China	Ex d ib px IIB T4 Gb	
	ATEX-Gas	II 2G Ex pxb IIB T4 Gb	
	ATEX-Dust	II 2D Ex pxb IIIC T135°C Db	
Environment Requirements	Voltage	AC380V(±10%)	
	Power Capacity	5.0 kVA	
	Temperature	0-45 °C	
Arm Payload	Outer Arm	10 kg	
	Inner Arm	10 kg	
Weight	Robot	950 kg	
	Cabinet	160 kg	

CONTROL CABINET SIZE&WRIST END LOAD MAP



SELECTION&CONFIGURATION TABLE

Item	Standard	Optional	
Driver	6 Axes	6+2~4 Axes	
Connector Cable	Static	Static	Flexible
	8 m	Max:30 m	
Pendant	10 m	Max:30 m	
DI/DO	12/12	Customized	
Safety DI/DO	8/4	Customized	
AI/AO	/	Customized	
Communication Mode	TCP/IP	ProfiBus Slave	ProfiNet Slave
Memory Capacity	1GB	/	
Connector	USB/TCP/IP	/	
Software Package	Painting Package	Visual Programming	
Program Mode	Pendant	Touch Panel	
Color	RAL6018	Customized	

Information Release Time 2025/04