

GR680-2700

Maxium Reach:2715 mm /
Lemma Wrist / Max Payload:8 kg

- Highlights
- Lemma wrist, no singularity in the front, especially suitable for painting for in-the-front workpiece;
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 irregular shape parts painting: such as engineering engines, engineering machinery accessories, etc;
Also can be used for multi-size regular parts painting, such as containers.
- Industries
- Suitable for auto parts, logistics and transportation industries.



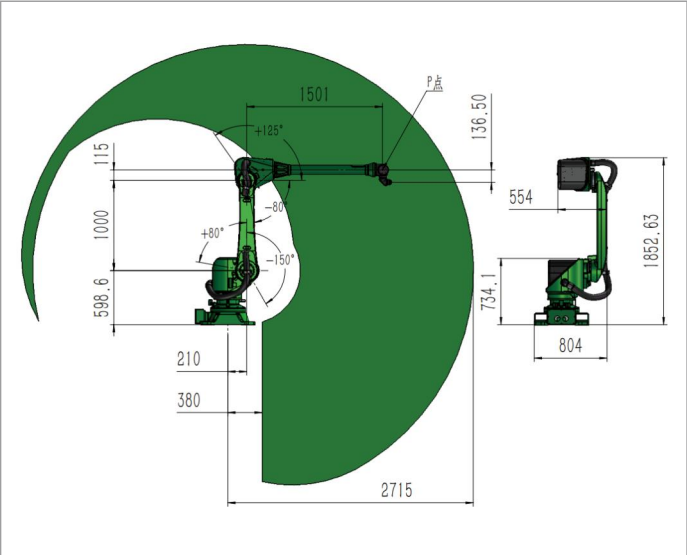
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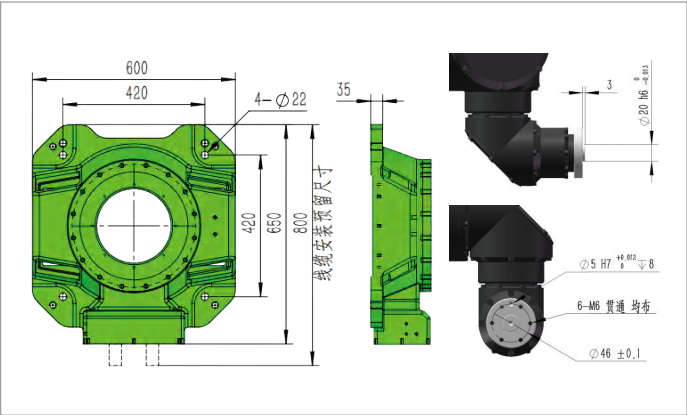
SPECIFICATIONS

Max. Payload on Wrist		8 kg	
Reach		2715 mm	
Repeatability		±0.2 mm	
Motion Range & Maximum Speed		Motion Range	Maximum Speed
	J1	±175°	150°/sec
	J2	+80°/-150°	145°/sec
	J3	+125°/-80°	150°/sec
	J4	±360°	500°/sec
	J5	±360°	500°/sec
Allowable Load Moment at Wrist	J6	±360°	720°/sec
	J4	30 N·m	
	J5	25 N·m	
Allowable Load Inertia at Wrist	J6	12 N·m	
	J4	0.8 kg·m ²	
	J5	0.59 kg·m ²	
	J6	0.1 kg·m ²	

OPERATING SPACE



BASE& END FLANGE MOUNTING SIZE

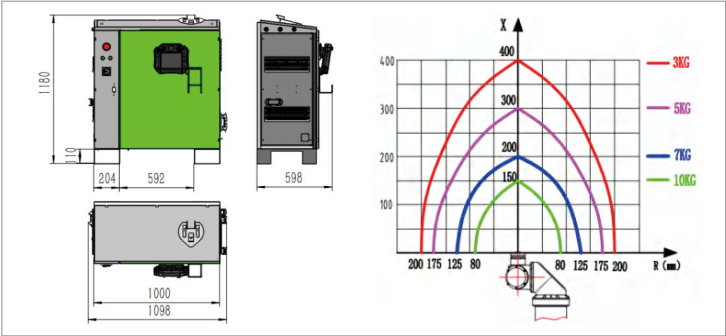


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GR-Series Painting Robot

Structure		6-Axis Series Structure
Installation		Floor,Upside-down,Wall (Optional)
Safety Level		EN ISO13849 PLd
IP Grade	Robot	IP 65
	Cabinet	IP 54
Explosion-Proof	China-Gas	Ex db ib pxb IIC T4 Gb
	China-Dust	Ex tb ib pxb IIIC T135°C Db
Environment Requirements	Voltage	AC380V(±10%)
	Power Capacity	5.0 kVA
	Temperature	0-45 °C
Arm Payload	Humidity	20-80RH (No Condensation)
	Outer Arm	8 kg
	Inner Arm	8 kg
Weight	Robot	450 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/TCPIP	/	
Software Package	Painting Package	Visual Programming	
Program Mode	Pendant	Touch Panel	
Color	RAL6018	Customized	

Information Release Time 2025/04