GR6100-2200

Maxium Reach:2204 mm / Lemma Wrist / Max Payload:10 kg

Highlights

Provides floor mount, invert mount, wall mount and other installation methods;
The three-segment design of the upper arm and facilitate the disassembly, installation and integration;
configuration of the lemma 3R wrist has no singularity in front, which facilitates the 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 general industrial painting applications is suitable for wood, furniture, ceramics, metal, hardware, containers, energy storage boxes, construction machinery, steel structure and other workpiece painting.

Industries

Suitable for wood, furniture, ceramics, metal, hardware, containers, energy storage boxes, construction machinery, steel structure and other industries.

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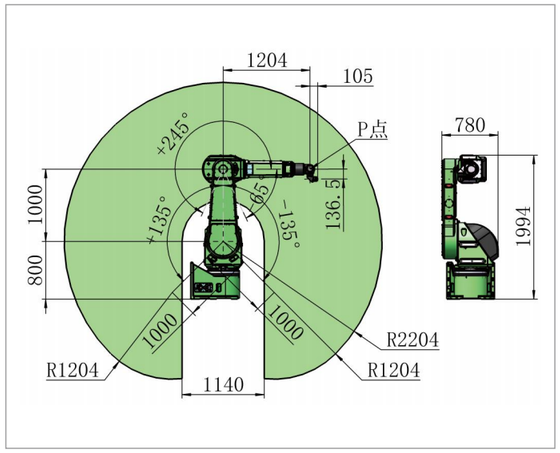
SPECIFICATIONS

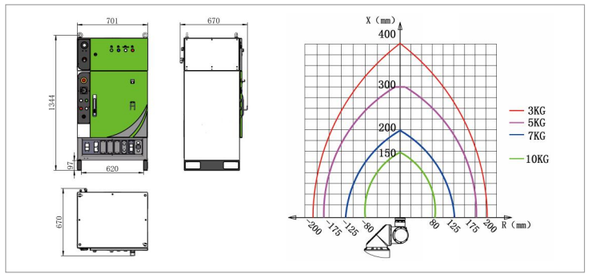
Max. Payload on Wrist		10 kg	
Reach		2204 mm	
Repeatability		±0.15 mm	
Motion Range & Maximum Speed		**Motion Range**	**Maximum Speed**
	J1	±160°	100°/sec
	J2	±135°	100°/sec
	J3	-65°/+245°	120°/sec
	J4	±360°	360°/sec
	J5	±360°	400°/sec
	J6	±360°	450°/sec
Allowable Load Moment at Wrist	**J4**	30 N·m	
	J5	25 N·m	
	J6	12 N·m	
Allowable Load Inertia at Wrist	**J4**	0.8 kg·m²	
	J5	0.59 kg·m²	
	J6	0.1 kg·m²	

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 ℃
	Humidity	RH≤80% (No Condensation)
Arm Payload	**Outer Arm**	15 kg
	Inner Arm	15 kg
Weight	**Robot**	640 kg
	Cabinet	160 kg

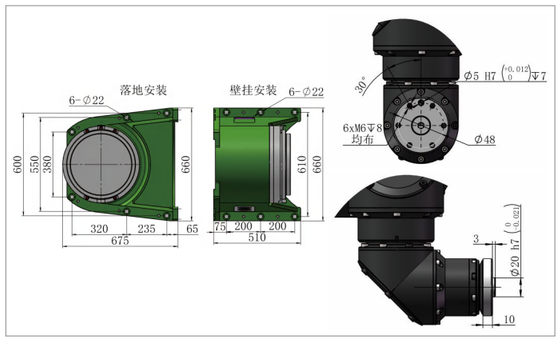
OPERATING SPACE



CONTROL CABINET SIZE&WRIST END LOAD MAP



BASE& END FLANGE MOUNTING SIZE



SELECTION&CONFIGURATION TABLE

Item	Standard	Optional	
Driver	6 Axes	6+2 Axes	
Connecter 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	

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

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