QJAR

QJRB800-1



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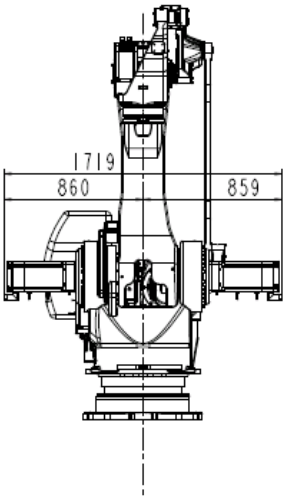
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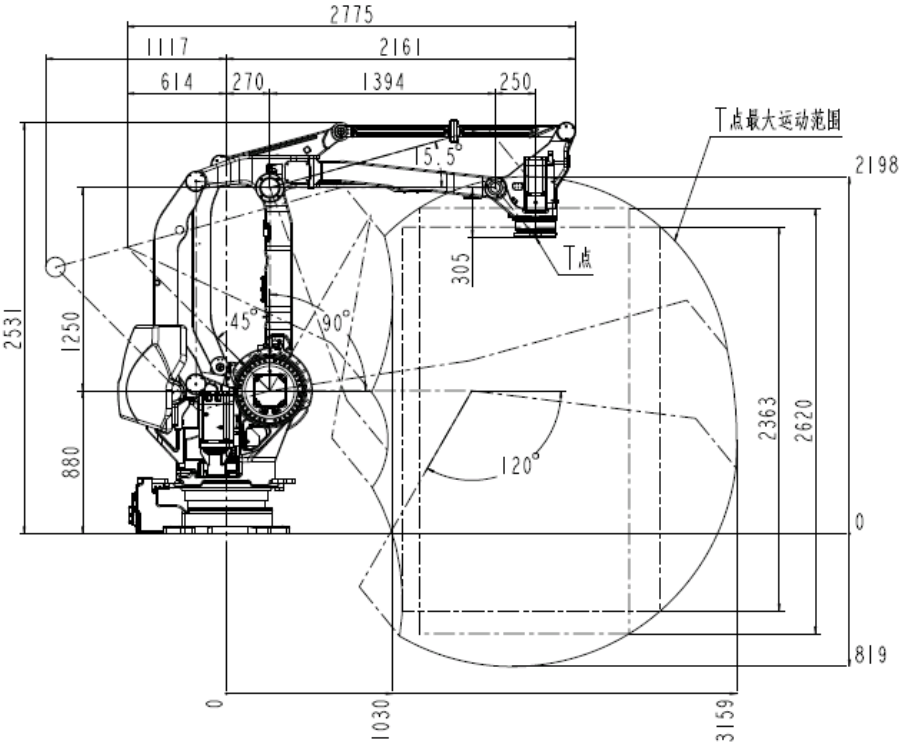
Specifications and Drawings of QJRB800-1

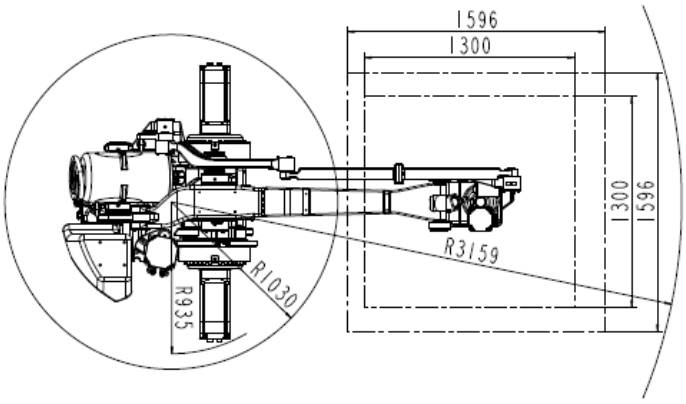
I. QJRB800-1 Robot basic specification table

QJRB800-1Basic specification sheet			
Body shape		Four axis palletizing	
Degrees of freedom		4	
The payload		800kg	
Arm span		3155mm	
Repeated positioning accuracy ^2		±0.5mm	
The scope of work	1axis	±185°	
	2axis	+95°，-48°	
	3axis	Global: +112°，-17°	
		Coupling: + 71 °, - 81 °	
	4axis	±360°	
Maximum speed	1axis	1.13 rad/s	64 °/s
	2axis	1.13 rad/s	64 °/s
	3axis	1.13 rad/s	64 °/s
	4axis	2 rad/s	114 °/s
Maximum acceleration	1axis	0.6 rad/s^2	34 °/s^2
	2axis	2.26 rad/s^2	129 °/s^2
	3axis	3.39 rad/s^2	194 °/s^2
	4axis	8.72 rad/s^2	499 °/s^2
Inertia moment	4axis	340 kg.m2	
Body weight		2550 kg	
Protection Grade		IP30	
Installation environment	The temperature	0~45 ℃	
	Humidity	20%~80% RH(No condensation)	
	Vibration	<4.9m/s2 (0.5G)	
	Other	Avoid flammable, corrosive gases and liquids; Avoid contact with water, oil, dust, etc. Keep away from electrical noise sources.	
The power capacity		23kVA	

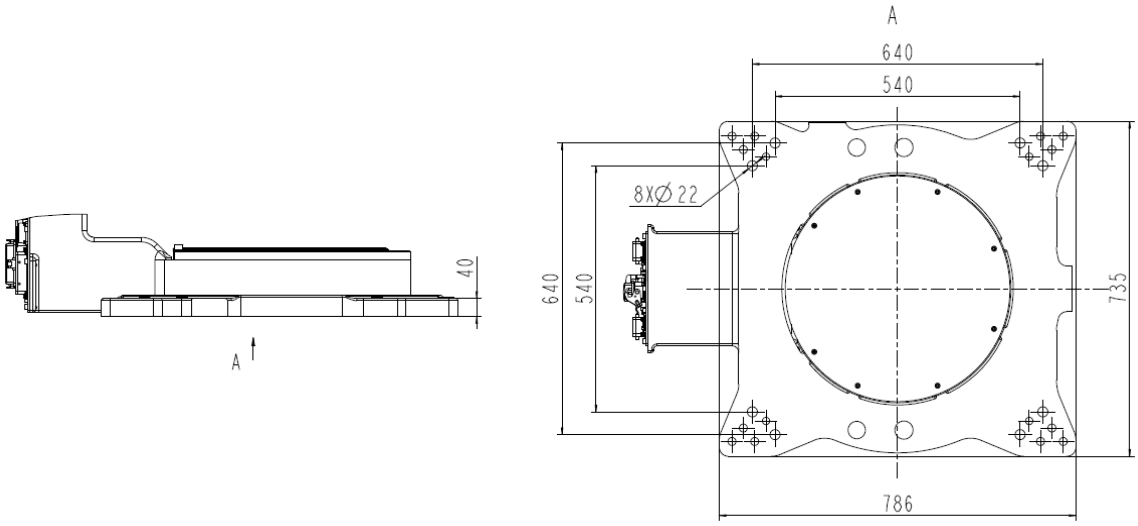
II. QJRB800-1 Diagram of the robot's overall size and maximum motion range



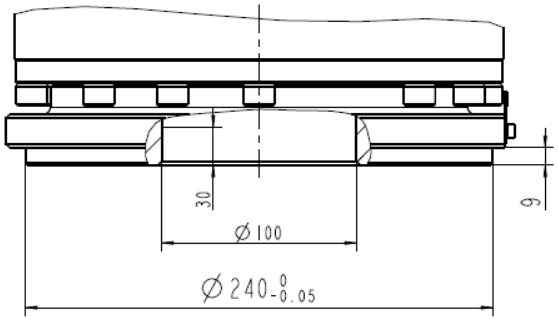


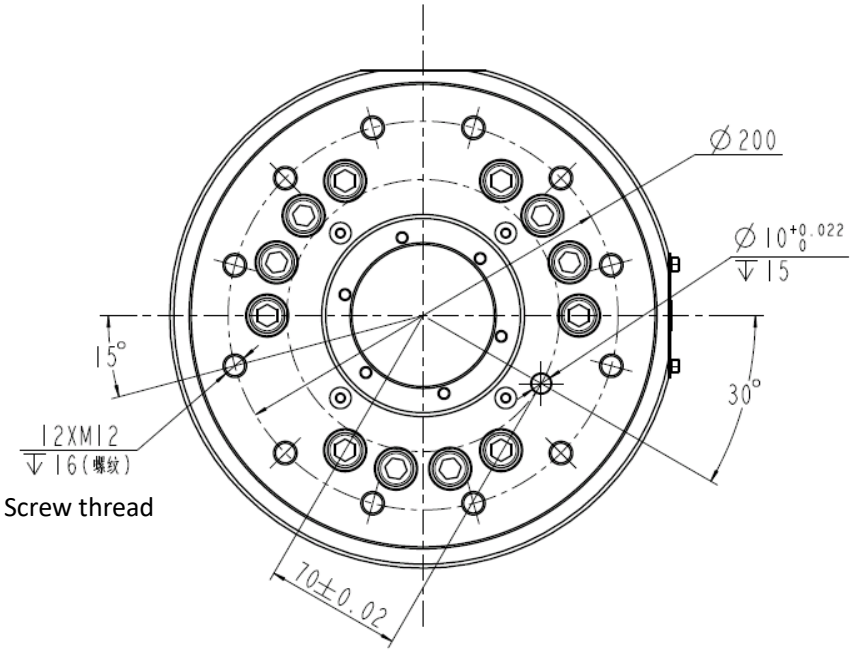


III. QJRB800-1 Robot base mounting dimension drawing



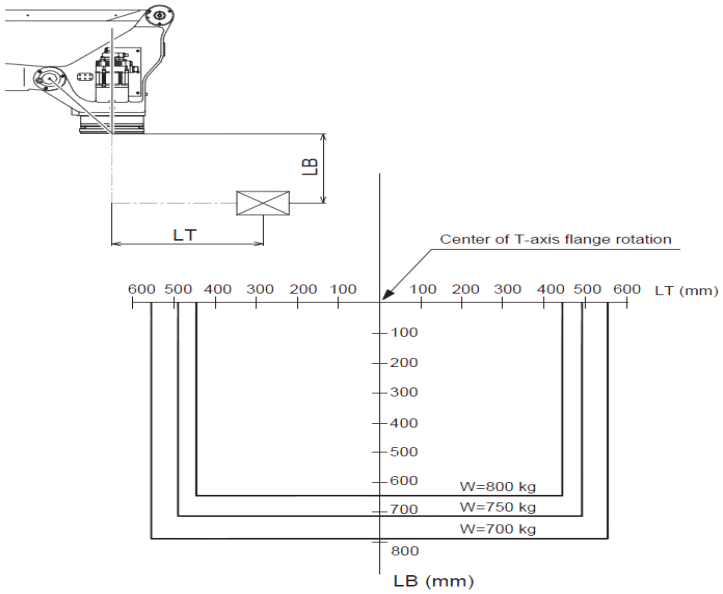
IV. QJRB800-1 Installation dimension drawing of robot end



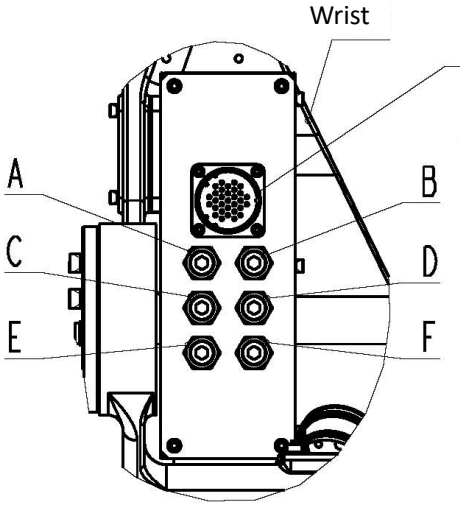


Screw thread

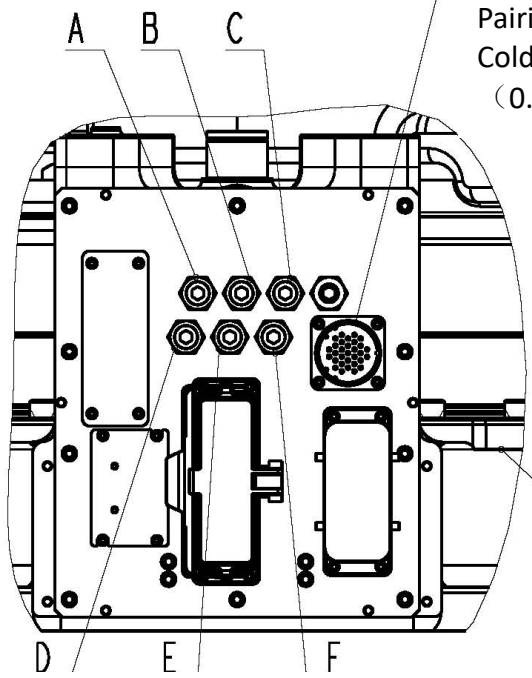
V. QJRB800-1 Robot load diagram



VI. Schematic diagram of robot reserved gas path and I / O interface position



Round connector plug WY40J31Z-3, I/O line: 0.2mm² ×12P
Pairing: Round connector plug WY40K3ITE-3
Cold pressing female YK1.5-22.6-0.37AU
（0.37AU is optional according to the need）



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explain:

1、Base A、B、C、D、E、F are air inlets, R3/8 screw thread, with cone plug, the external diameter is Φ10mm

2、Wrist A、B、C、D、E、F are air outlets, R3/8 screw thread, with cone plug, the external diameter is Φ10mm

3、The base and the wrist position circular connector plug are connected in the same position

VII. QJRB800-1 Configuration table of robot products

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Motor	KEBADSM4 series, lafert
RV Reducer	Nabtesco
Controller	KEBA
Drive	KEBA, Tsino Dynatron

VIII. QJRB800-1 Controller cabinet

QJRB800-1 controller cabinet	
Control hardware	KEBA
Control cabinet software	KEBA
Power Supply	Three phase five wire AC380V(+10%,-10%)
Rated power	27KW
Power capacity	23KVA
Size of control cabinet	650X750X1150 mm
Weight of control cabinet	140kg
ambient temperature	0-45℃
Maximum humidity	20%~80% RH(no condensation)
Protection level	IP54
operation panel	On the control cabinet
Programming unit	Color touch screen teaching box
Security	Emergency stop, automatic mode stop, remote mode stop
Input and output	Digital IO 22 input 24 output