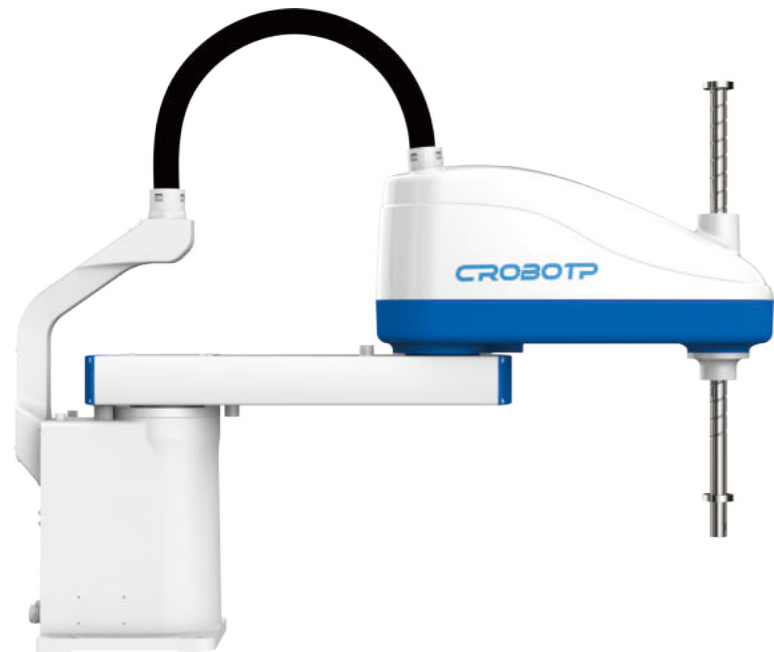


CRP-RS08-20Z40 CRP-RS 10-20Z40

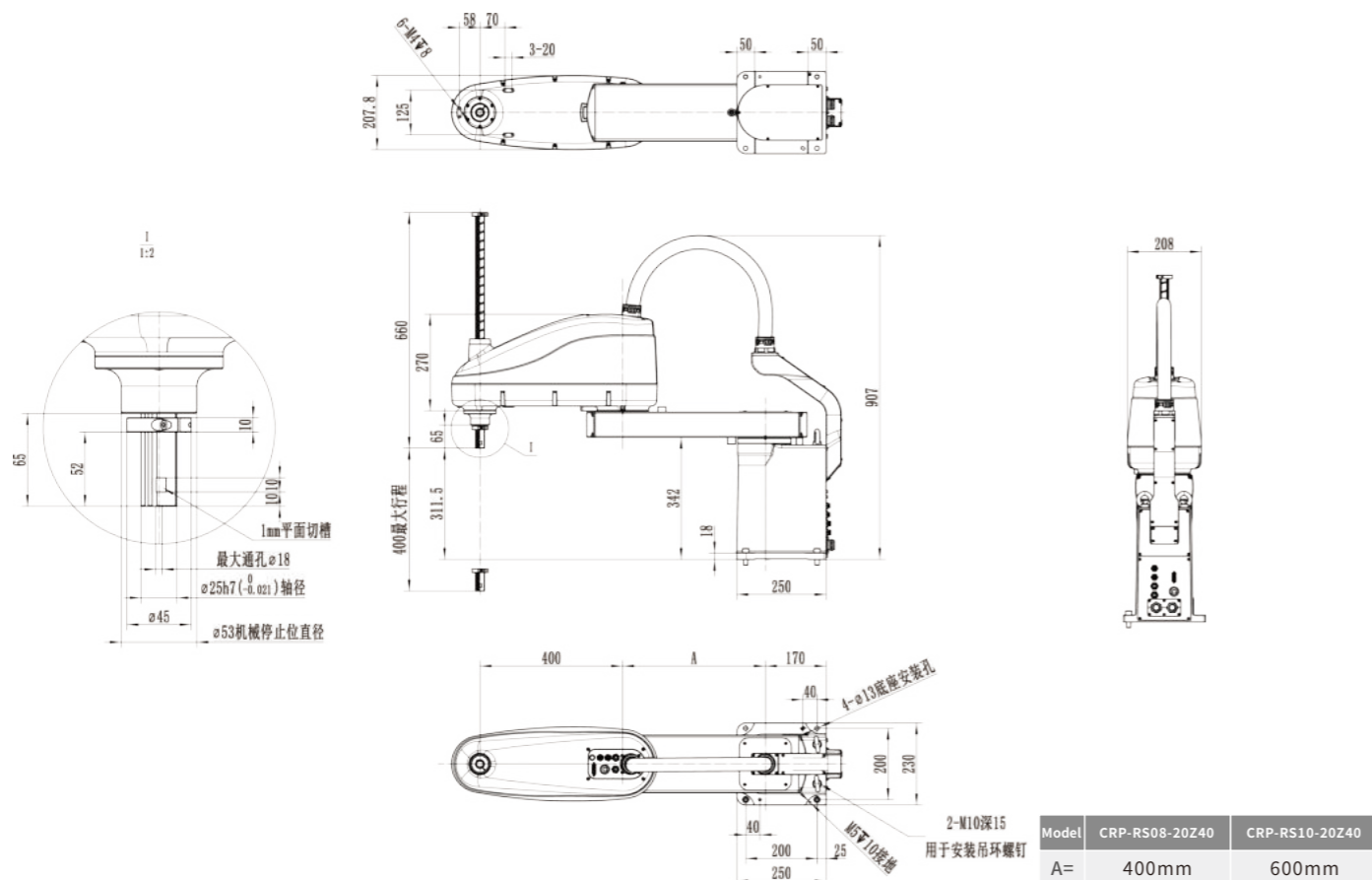
SCARA ROBOTS



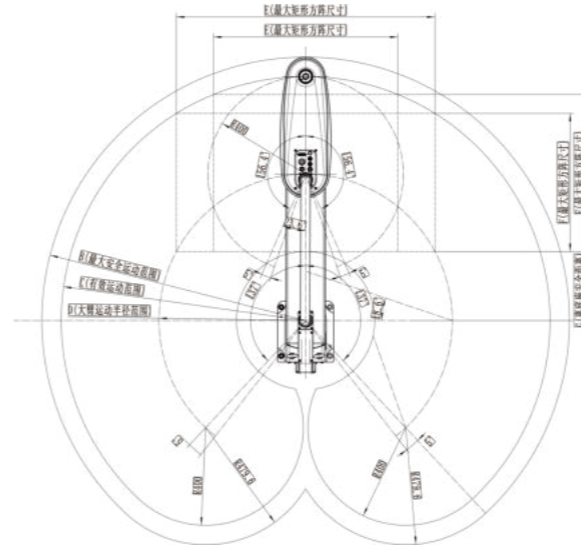
FUNCTIONAL FEATURES

- Unique high rigidity arm design, fast running speed, high transmission accuracy, low noise.
- Available in 800 and 1000 mm arm lengths with a maximum payload of 20kg and a rated payload of 10kg.
- A safety emergency stop board independent of the control system is configured, and a safety relay is used to provide double-circuit emergency stop to ensure the reliability of emergency stop.
- Equipped with G3 control cabinet, providing 23-way custom IO; Supports serial port, network port, USB and other interfaces.
- The body cable adopts the special cable for flexible robot. Built-in three-phase filter, effectively improve EMC and EMI performance, with gravity compensation, load adaptive, and S-T function, higher accuracy, less impact, typical working conditions faster beat.
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EXTERNAL DIMENSION



MOTION RANGE DIAGRAM



NAME / Model	CRP-RS08-20Z40	CRP-RS10-20Z40
B Maximum safe range of motion	879mm	1080mm
C Effective range of motion	800mm	1000mm
D Radius of upper arm movement	400mm	600mm
E The maximum square matrix size	692~730mm	754~1058mm
F Large rectangular square size	548~557mm	643~565mm
G Base safety distance	164mm	285mm

ROBOT BODY TECHNICAL PARAMETERS

Model	CRP-RS08-20Z40	CRP-RS10-20Z40
Arm form	Quadriaxial horizontal joint	
Installation mode	Countertop/ side wall installation	
Robot body weight	53.5KG	56KG
Maximum reaching distance	800mm	1000mm
标准循环时间节拍	0.49s	0.49s
Payload	Rated load	10kg
	Maximum load	20kg
Repeated positioning accuracy	Axis 1~2	± 0.02 mm
	Axis 3	± 0.01 mm
	Axis 4	$\pm 0.01^\circ$
Maximum travel	Axis 1	$\pm 137^\circ$
	Axis 2	$\pm 156^\circ$
	Axis 3	400mm
	Axis 4	$\pm 360^\circ$
Maximum speed	Axis 1	9400mm/s
	Axis 2	9400mm/s
	Axis 3	1300mm/s
	Axis 4	1400°/s
3rd axis downforce	200N	200N
4th axis allowable moment of inertia	Rated load	0.05kg · m ²
	Maximum load	1kg · m ²
Motor power	Axis 1	750W
	Axis 2	500W
	Axis 3	400W
	Axis 4	200W
User interface	circuitry	15Pin (DB interface) / kilomega Ethernet port
	electricity	2- $\phi 6$ mm、2- $\phi 8$ withstand voltage: 0.59MPa
Installation environment	ambient temperature	0~40°C
	Others	Robot installation must be away from: flammable or corrosive liquids or gases, electrical sources of interference
Home point resetting	No need home point resetting	
Electric Cabinet Configuration	G6	
Advantage features	Compact structure, fast running speed, high repeated positioning accuracy, strong versatility and easy to operate	
Application	Handling, sorting, loading and unloading, palletizing, soldering, dispensing, pad printing and other application scenarios	