

CRP-RS08-20Z40

CRP-RS10-20Z40

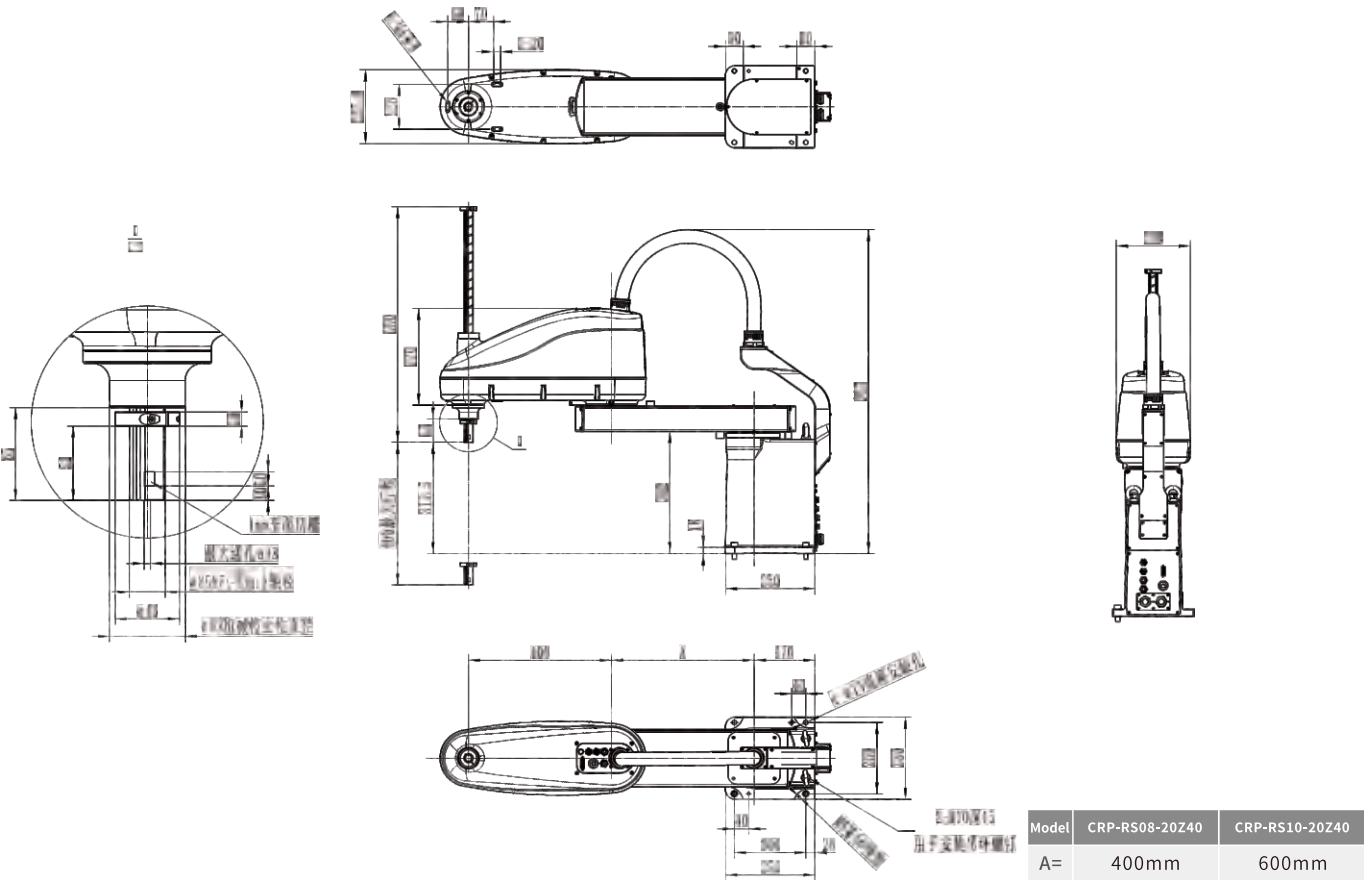
SCARA ROBOTS



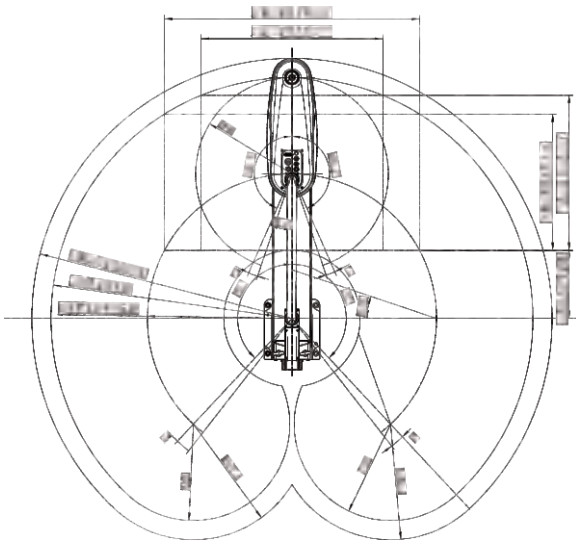
FUNCTIONAL FEATURES

- 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 G12 control cabinet, providing 24-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.

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
Maximum payload		20kg	20kg
Maximum coverage		800mm	1000mm
Standard cycle time beat		0.49s	0.49s
Maximum travel	J1	±142°	±142°
	J2	±160°	±160°
	J3	400mm	400mm
	J4	±360°	±360°
Maximum speed	J1~J2	9400mm/S	10700mm/S
	J3	1300mm/S	1300mm/S
	J4	1400°/S	1400°/S
J4 Allowable moment of inertia	Rated load	0.05kg.m²	0.05kg.m²
	Maximum load	1kg.m²	1kg.m²
Repeated positioning accuracy	J1~J2	±0.02mm	±0.02mm
	J3	±0.01mm	±0.01mm
	J4	±0.01°	±0.01°
Robot body weight		45kg	47kg
Installation mode		Countertop mounting	Countertop mounting
Body interface	Reserved IO	15Pin	
	Reserved gas	2*φ6mm, 2*φ8mm, pressure resistance: 0.59Mpa	
Installation environment	Ambient temperature	0~40℃	
	Relative humidity	20%~80%RH(no condensation)	
	Vibration	Under 0.5G	
	Others	Robot installation must be away from: flammable or corrosive liquids or gases, electrical sources of interference.	
Application		Handling, sorting, loading and unloading, palletizing, soldering, dispense glueing, pad printing	
Matching electrical cabinet		G12	