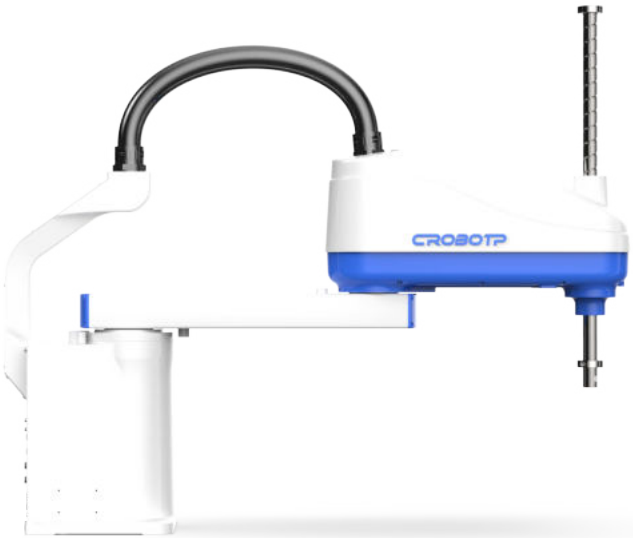


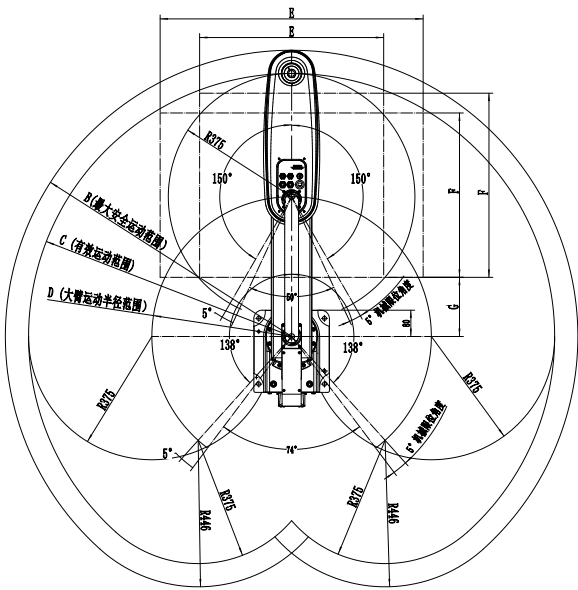
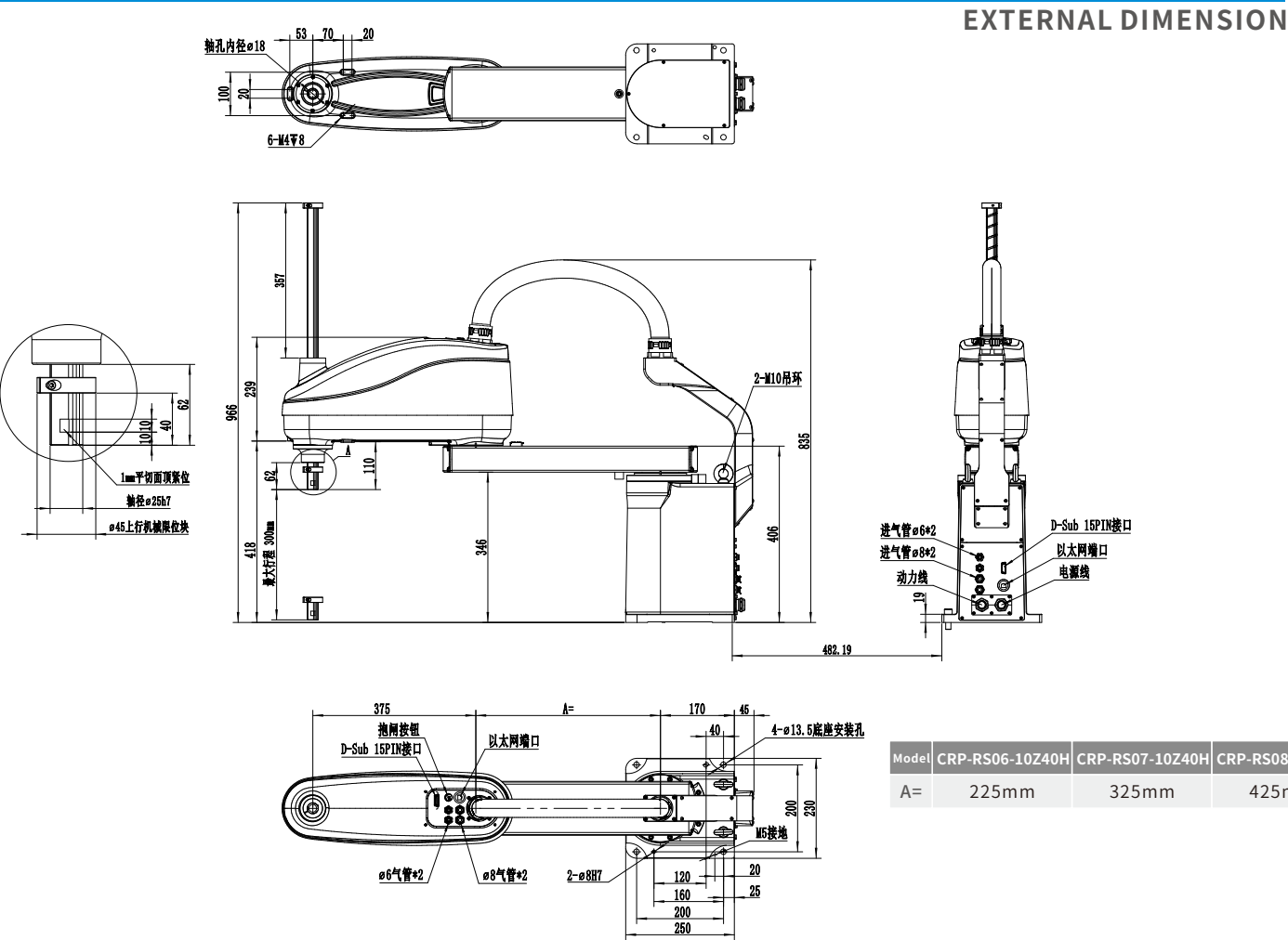
CRP-RS06-10Z40H
CRP-RS07-10Z40H
CRP-RS08-10Z40H

SCARA
ROBOTS



FUNCTIONAL FEATURES

- Unique structural design, fast running speed, high transmission accuracy, low noise.
- Available in 600, 700, 800 mm arm length specifications, up to 10kg payload, rated payload of 5kg.
- The robot body adopts the special cable for flexible robot, which has high life.
- Equipped with G12 control cabinet, ARM architecture, strong stability, excellent performance.
- It provides dedicated security interface I/O, supports expansion of three network ports, supports hot swap of the teaching device, and ADAPTS to the upper software on the PC. With gravity compensation, load adaptive, and S-T function; The whole machine has higher precision, less impact and faster beats in typical working conditions.
- This machine is mainly used in 3C industry, production line sorting and loading, handling, palletizing, soldering, dispensing, pad printing and other light industrial automation integration fields.



MOTION RANGE DIAGRAM

NAME / Model	CRP-RS06-10Z40H	CRP-RS07-10Z40H	CRP-RS08-10Z40H
B Maximum safe range of motion	670mm	770mm	870mm
C Effective range of motion	600mm	700mm	800mm
D Radius of upper arm movement	225mm	325mm	425mm
E The maximum square matrix size	450mm	550~750mm	560~800mm
F Large rectangular square size	250mm	400~460mm	500~560mm
G Base safety distance	300mm	180mm	180mm

ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RS06-10Z40H	CRP-RS07-10Z40H	CRP-RS08-10Z40H
Arm form		Quadriaxial horizontal joint	Quadriaxial horizontal joint	Quadriaxial horizontal joint
Installation mode		Countertop installation	Countertop installation	Countertop installation
Robot body weight		36KG	37KG	38KG
Maximum reaching distance		600mm	700mm	800mm
Standard cycle time beat		0.48s	0.48s	0.48s
Payload	Rated load	5kg	5kg	5kg
	Maximum load	10kg	10kg	10kg
Repeated positioning accuracy	Axis 1~2	±0.025mm	±0.025mm	±0.025mm
	Axis 3	±0.01mm	±0.01mm	±0.01mm
	Axis 4	±0.01°	±0.01°	±0.01°
Maximum travel	Axis 1	±138°	±138°	±138°
	Axis 2	±150°	±150°	±150°
	Axis 3	300/400mm	300/400mm	300/400mm
	Axis 4	±360°	±360°	±360°
Maximum speed	Axis 1~2	9000mm/s	9700mm/s	10500mm/s
	Axis 3	1100mm/s	1100mm/s	1100mm/s
	Axis 4	2600°/s	2600°/s	2600°/s
3rd axis downforce	N.m	200N.m	200N.m	200N.m
4th axis allowable moment of inertia	Rated load	0.02kg·m ²	0.02kg·m ²	0.02kg·m ²
	Maximum load	0.25kg·m ²	0.25kg·m ²	0.25kg·m ²
Motor power	Axis 1	0.75KW	0.75KW	0.75KW
	Axis 2	0.5KW	0.5KW	0.5KW
	Axis 3	0.2KW	0.2KW	0.2KW
	Axis 4	0.2KW	0.2KW	0.2KW
User interface	circuitry	15Pin（D-sub interface）/Ethernet port		
	electricity	φ6mm*2、/φ8mm*2 withstand voltage: 0.59MPa		
Installation environment	ambient temperature	0~40℃		
	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/G12 Input power single-phase 220v		
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		