

CRP-RS05-06Z20

CRP-RS06A-06Z20

CRP-RS07-06Z20

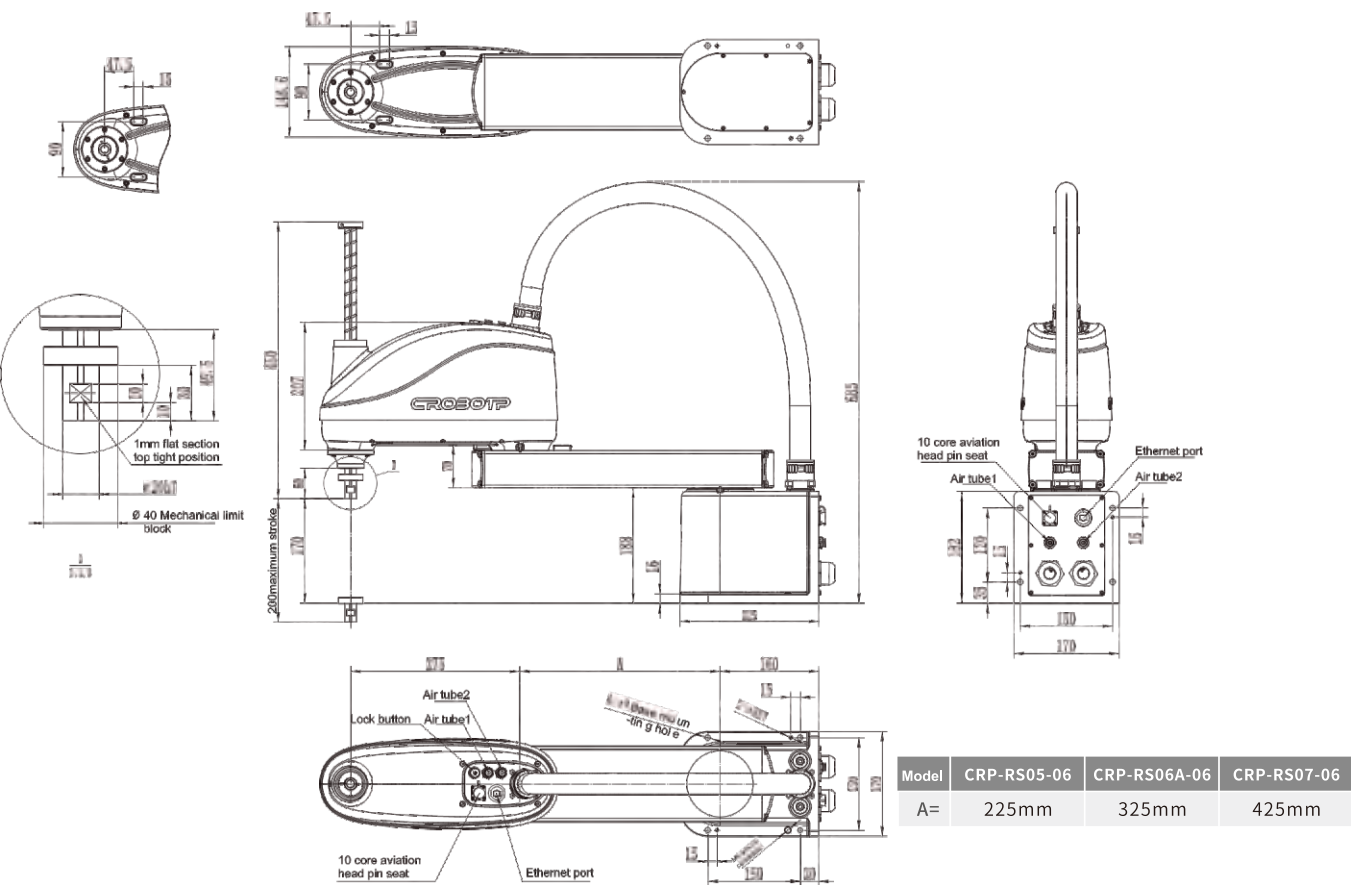
SCARA ROBOTS



FUNCTIONAL FEATURES

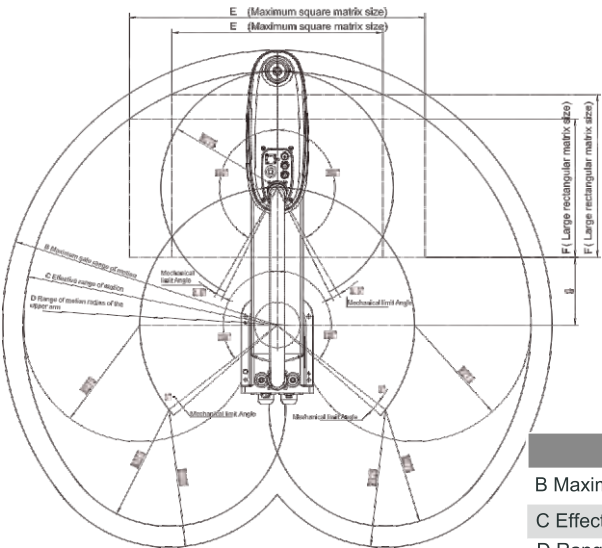
- High speed, high precision, high stability;
- Adaptive acceleration, improve the life of the robot, ensure that arbitrary trajectory acceleration is more reasonable, more efficient movement;
- Arm built-in gigabit network cable, easy to connect the camera;
- High speed motor, faster speed;
- The large arm adopts modular design, which can meet the customized needs of customers.

OVERALL DIMENSION



Model	CRP-RS05-06	CRP-RS06A-06	CRP-RS07-06
A=	225mm	325mm	425mm

WORKING RANGE DIAGRAM



Name/Model	CRP-RS05-06Z20	CRP-RS06A-06Z20	CRP-RS07-06Z20
B Maximum safe range of motion	550mm	650mm	750mm
C Effective range of motion	500mm	600mm	700mm
D Range of motion radius of the upper arm	225mm	325mm	425mm
E Maximum square matrix size	400~600mm	500~700mm	500~800mm
F Large rectangular matrix size	240~300mm	325~385mm	350~430mm
G Safe distance from base	160mm	160mm	224mm

ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RS05-06Z20	CRP-RS06A-06Z20	CRP-RS07-06Z20
Maximum payload		6kg	6kg	6kg
Maximum coverage		500mm	600mm	700mm
Standard cycle time beat		0.35s	0.36s	0.39s
Maximum travel	J1	±130°	±130°	±130°
	J2	±150°	±150°	±150°
	J3	200mm	200mm	200mm
	J4	±360°	±360°	±360°
Maximum speed	J1~J2	7120mm/S	7710mm/S	8290mm/S
	J3	1000mm/S	1000mm/S	1000mm/S
	J4	2000°/S	2500°/S	2500°/S
J4 Allowable moment of inertia	Rated load	0.01kg.m²m²	0.01kg.m²	0.01kg.m²
	Maximum load	0.12kg.m²m²	0.12kg.m²	0.12kg.m²
Repeated positioning accuracy	J1~J2	±0.02mm	±0.02mm	±0.02mm
	J3	±0.01mm	±0.01mm	±0.01mm
	J4	±0.01°	±0.01°	±0.01°
Robot body weight		19kg	20kg	21kg
Installation mode		Countertop mounting	Countertop/wall mounting	Countertop mounting
Body interface	Reserved IO	10Pin		
	Reserved gas	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, labeling, lockpicking, glueing, sensing, plug-in, mounting		
Matching electrical cabinet		G12		