

SCARA Selective Compliance Assembly Robot Arm

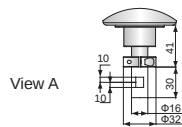
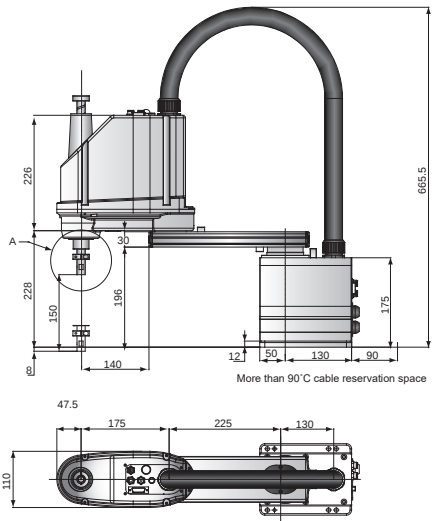
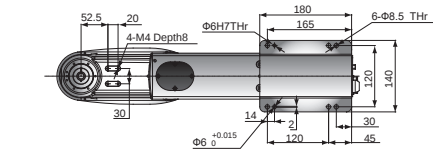


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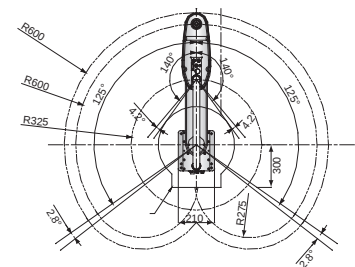
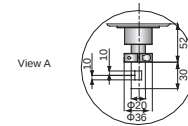
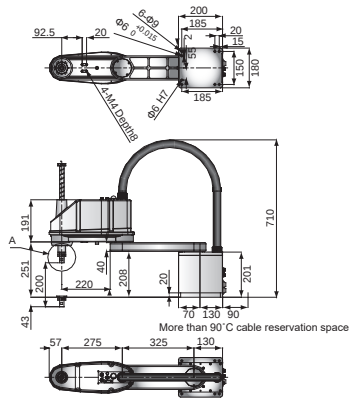
SCARA Series

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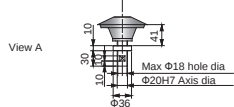
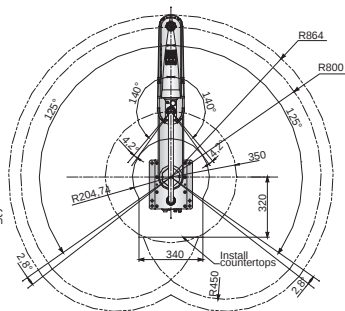
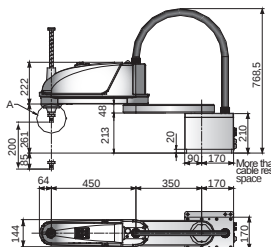
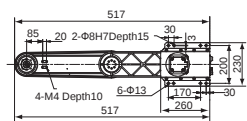
Outline Drawings



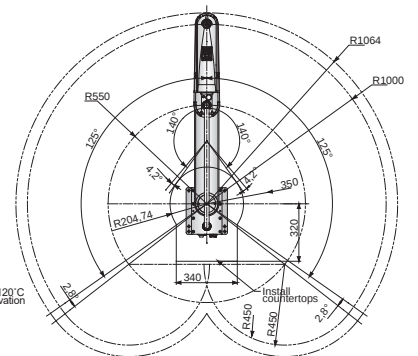
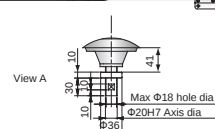
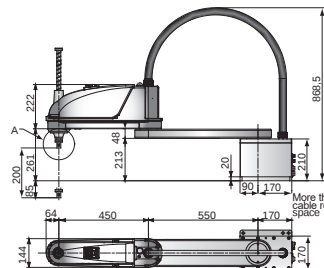
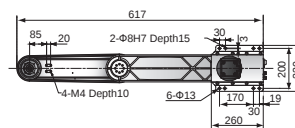
S4-SR400



S4-SR600



S4-SR800



S4-SR1000

SCARA Series

Selective compliance assembly robot arm is driven by 4 servo motors with fast and lightweight structure. It is most suitable for vertical assembly on the platform. For example, insert parts into products for vertical IMM.

SCARA robot is widely used in welding, palletizing, handling, processing and manufacturing, and injection molding. For example, pick-out car bumper, in robot idle time cutting sprues as well as deflashing, edge processing, product assembly and handling work.

Specifications

Model		S4-SR400	S4-SR600	S4-SR800	S4-SR1000
Type		Horizontal/Articulated	Horizontal/Articulated	Horizontal/Articulated	Horizontal/Articulated
Axis Qty		4	4	4	4
Arm Length(mm)		400	600	800	1000
Axis work speed	1 st ~2 nd joint	6000mm/s	6500mm/s	9000mm/s	9000mm/s
	3 rd joint	900mm/s	1100mm/s	1000mm/s	1000mm/s
	4 th joint	1500°/s	1500°/s	1500°/s	1500°/s
Repeatability	1 st ~2 nd joint	±0.02mm	±0.03mm	±0.03mm	±0.03mm
	3 rd joint	±0.01mm	±0.02mm	±0.02mm	±0.02mm
	4 th joint	±0.02°	±0.02°	±0.02°	±0.02°
Max work envelope	1 st joint	±130°	±125°	±125°	±125°
	2 nd joint	±140°	±140°	±140°	±140°
	3 rd joint	0~150mm	0~200mm	0~200mm	0~200mm
	4 th joint	±360°	±360°	±360°	±360°
Load	Rated load	1kg	3kg	5kg	10kg
	Max load	3kg	5kg	10kg	20kg
Servo power	1 st joint	400W	400W	750W	750W
	2 nd joint	100W	200W	400W	400W
	3 rd joint	100W	100W	200W	200W
	4 th joint	100W	100W	200W	200W
Cycle time		0.55s	0.50s	0.55s	0.50s
Tension of 3 rd joint		100N	100N	100N	100N
Allow moment of inertia (kgmf ²)		0.05	0.12	0.12	0.12
Reset		No need reset	No need reset	No need reset	No need reset
Robot weight (kg)		13	23	23	23
User wiring diagram		DB-15 pin	DB-15 pin	DB-15 pin	DB-15 pin
User Air diagram		Ø4×2	Ø4×2	Ø4×2, Ø6×2	Ø4×2, Ø6×2

Notes: 1). Power supply requirement: 1Φ, 100~240V, 50/60Hz.

We reserve the right to change specifications without prior notice.

Benelux distributor:



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