

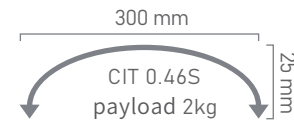
Scara Robot

Model **P20-1004S**

Operating range Arm length 1000mm Joint#3 stroke 420mm

Payload	Rated 10kg/Maximum 20kg
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Standard cycle time 0.46 sec



Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability	$\pm 0.025\text{mm}$	$\pm 0.01\text{mm}$	$\pm 0.01^\circ$
	Joint #1,#2	Joint #3	Joint #4

Parameters of each axis

Joint Content	#1	#2	#3	#4
MAX Operating Speed	11003mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	55kg (cables not included)			

Joint #4 allowable moment of inertia, rate $0.05\text{kg}\cdot\text{m}^2$, maximum $0.45\text{kg}\cdot\text{m}^2$

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin (D-Sub Connector)
Installed pneumatic tube for customer use	φ4mm*2, φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean (Customized)

Outer Dimensions and Motion Range

