

P20 series/
Scara Robot

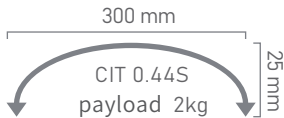


Model P20-904S

Operating range Arm length 900mm Joint#3 stroke 420mm

Payload Rated 10kg/Maximum 20kg

Standard cycle time 0.44 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

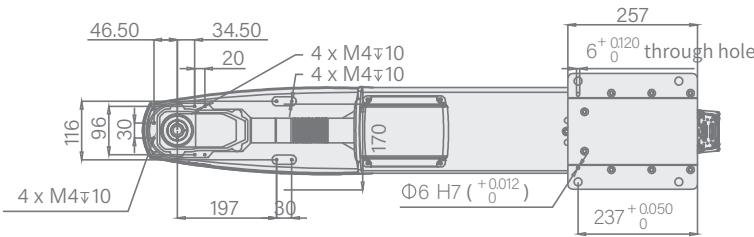
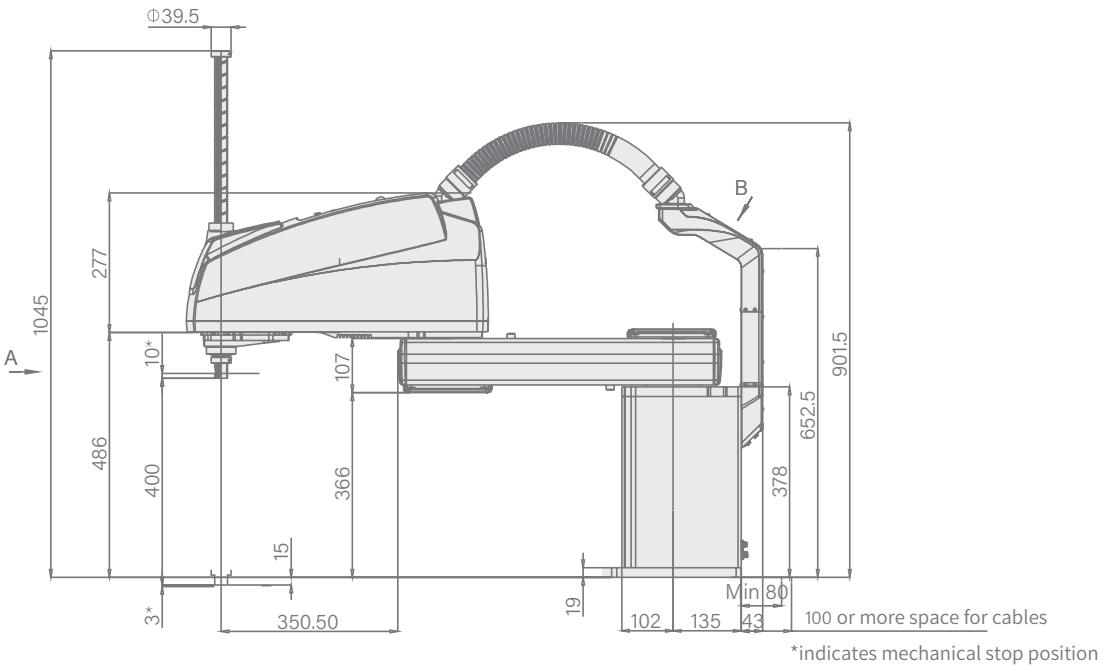
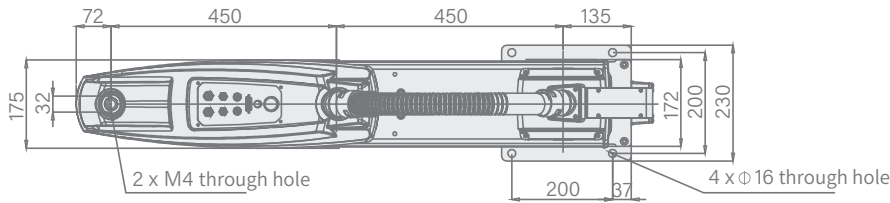
Parameters of each axis

Joint Content	#1	#2	#3	#4
MAX Operating Speed	10244mm/s		2020 mm/s	1400° /s
MAX Motion Range	$\pm 131^\circ$	$\pm 150^\circ$	420mm	$\pm 360^\circ$
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	52kg (cables not included)			

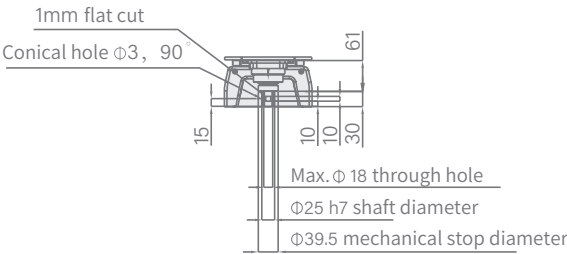
Joint #4 allowable moment of inertia, rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters	Origin Return	None Need Origin Return
	Installed wire for customer	26 Pin (D-Sub Connector)
	Installed pneumatic tube for customer use	$\phi 4\text{mm} \times 2$, $\phi 6\text{mm} \times 2$
	Visual Interface	M12*2 Gigabit network interface
	Installation Environment	Standerd/Clean (Customized)

Outer Dimensions and Motion Range



Detailed view from A



Detailed view from B

