



# Cartesian & Desktop robot

SAN-EI TECH LTD.

# JR3000N series Desktop robot (3 axis)



	3 axis				
Parts number	S203	S303	S403	S503	S603
X&Y axis stroke(mm)	200×200	300×320	400×400	510×510	510×620
Z axis(mm)	50	100	150		
X axis max carrying weight(kg)	7	15			
Y axis max carrying weight(kg)	3.5	7			
X&Y axis speed range(mm/sec)	7~700	9~900			
Z axis speed range(mm/sec)	2.5~250	4~400			
Repeatability X&Y axis(mm)	±0.006	±0.007		±0.008	X:±0.008 Y:±0.01
Repeatability Z axis(mm)	±0.006	±0.007		±0.008	

# JR3000N series Desktop robot (4 axis)



	4 axis				
Parts number	S204	S304	S404	S504	S604
X&Y axis stroke(mm)	200×200	300×320	400×400	510×510	510×620
Z axis(mm)	50	100	150		
R axis(deg)	±360				
X axis max carrying weight(kg)	7	15			
Y axis max carrying weight(kg)	3.5	7			
X&Y axis speed range(mm/sec)	7~700	9~900			
Z axis speed range(mm/sec)	2.5~250	4~400			
R axis speed range(deg/sec)	6~600	9~900			
Repeatability X&Y axis(mm)	±0.01				
Repeatability Z axis(mm)	±0.01				
Repeatability R axis(deg)	±0.08				

# JRV2000 series Desktop robot (3 axis)



	3 axis		
Parts number	JR-V2203	JR-V2303	JR-V2403
X&Y axis stroke(mm)	200×200	300×320	400×400
Z axis(mm)	50	50/100	100
X axis max carrying weight(kg)	5		
Y axis max carrying weight(kg)	2 ※we have 3kg type		
X&Y axis speed range(mm/sec)	5~500		
Z axis speed range(mm/sec)	2~200		
Repeatability X&Y&Z axis(mm)	±0.01		

# AXELIA (3 axis)



	3 axis			
Parts number	AXA200	AXA300	AXA400	AXA600
X&Y axis stroke(mm)	200×200	300×300	400×400	600×500
Z axis(mm)	75	150	150	150
X axis max carrying weight(kg)	3	5		
Y axis max carrying weight(kg)	10			
X&Y axis speed (mm/sec)	500	800		
Z axis speed range(mm/sec)	200	320		
Repeatability X&Y&Z axis(mm)	±0.008			

※All robots come with cameras.

※Select either CCD camera or USB camera CCD cameras are more advantageous when shooting small things.

# Cartesian robot



	3 axis		4 axis
Type	One-handed	Two-handed	Two-handed
X axis stroke(mm)	200~600	300~600	300~600
Y axis stroke(mm)	200/300	300/400/500	300/400/500
Z axis stroke(mm)	50/100/150/200	50/100/150/200	100/150
R axis stroke(deg)	—	—	±360
Maximum Carrying Weight(kg)	4	8	3
MAX speed X axis(mm/s)	200~600 (Depends on size)	300~600 (Depends on size)	300~600 (Depends on size)
MAX speed Y axis(mm/s)	800		
MAX speed Z axis(mm/s)	400		
MAX speed R axis(mm/s)	—		90
Repeatability X&Y axis(mm)	±0.02		
Repeatability Z axis(mm)	±0.02		±0.01
Repeatability R axis(deg)	—		±0.0008

※After selecting the size, need to add along with the accessories

# Other



Screw tightening robot

Specification

Supported screw sizes : M1.0~M6.0(mm)

Torque range : 0.03~4.5(N · m)

※Driver selection available.

※The above coverage is an example.



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