



CADMECH



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ADVANCED ROBOTICS LAB-SCARA ROBOT

Features

- Higher precision and speed
- Minimum maintenance
- Easier to use
- Higher rigidity
- Very compact design
- Specifications



*Actual Site pic

No. of Axis	4 NO
Reach	150 mm
Vertical Height	400 mm
Payload	3KG
Axis 1	$\pm 130^\circ$
Axis 2	$\pm 146 \text{ deg}$
Axis 3	150 deg
Axis 4	$\pm 360 \text{ deg}$
Control Software	YES
Repeatability	$\pm 0.01 \text{ mm}$
Weight	16KG

ADVANCED APPLICATIONS

Pick as Place	YES
Palletizing	YES
Assembly	YES
Drilling	YES
Deburring	YES
Testing (Go-NO-GO)	YES
Vision Inspection(Colour/shape)	YES
Screw Fastening	YES
Soldering	YES
Gluing	YES



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AUTOMATION FOR A CHANGING WORLD

**Delta Articulated Robots Precision
Industrial Robot**



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Product Specification

DRV Series

Model		DRV70L Series	DRV90L Series	DRVA1L Series	DRVA4L Series
Number of Axes		6			
Max. Working Range		710 mm	900 mm	1,111mm	1,411mm
Max. Payload		7kg			
Motion Range	J1	±170°			
	J2	+133° / -105°	+135° / -105°	+135° / -105°	
	J3	+60° / -205°			
	J4	±190°			
	J5	±120°			
	J6	±360°			
Max. Speed	J1	450° / sec	370° / sec	240° / sec	200° / sec
	J2	340° / sec	260° / sec	220° / sec	165° / sec
	J3	510° / sec	410° / sec	295° / sec	220° / sec
	J4	550° / sec		465° / sec	
	J5	550° / sec		480° / sec	
	J6	820° / sec		705° / sec	
Max. Composite Speed		11,000 mm / sec	10,600 mm / sec	9,400 mm / sec	9,100 mm / sec
Allowable inertia	J4	0.47 kg*m ²			
	J5	0.47 kg*m ²			
	J6	0.15 kg*m ²			
Allowable moment	J4	16.6 Nm			
	J5	16.6 Nm			
	J6	9.4 Nm			
Repeatability		±0.02 mm	±0.03 mm	±0.04mm	±0.05mm
Standard Cycle Time ^{*1}		0.32 sec	0.35 sec	0.48 sec	0.54 sec
Installations		Table-top, ceiling-mount, wall-mount ^{*2}			
Built-in Design		With 1 12Pos. circular connector for sensor connections and 2 ø6 pneumatic tubes (one for the embedded 3 sets of solenoid valves, one for extension)			
IP Rating ^{*3}		IP40 (Standard) / IP65 (Optional) ^{*4}		IP65 (Standard)	
Environment	Ambient Temperature	0°C~ 40°C			
	Humidity	20 ~ 85 %RH			
	Vibration	0.5 G			
Weight		37 kg	39 kg	76 kg	82 kg
Robot Controller		DCV Series			

