

# DELTA-ROBOT



**SYSTEM CONTROLS**

Versatility is reality

The Delta Robot makes it best suited not just for pick and place operation but also for applications demanding precise motions. Capable of handling payload of up to 3 Kg, the delta robot is designed to reach any point within the work envelope of 500mm. Featuring outstanding motion control, short cycle time and precise accuracy.

Supported by Harmonic Drive gears, the system offers a compact drive mechanism with highly rigid integrated crossed roller bearing capable of handling high axial and radial forces whilst supporting dynamic tilting moments.



## APPLICATION AREAS

- ◇ For motion simulation in assembly pick and place material handling and part transfer

**Part No: SC-SYS-DR-A-00-000**

## Technical Specification

Degree of Freedom	: 3
Payload	: 3 kg Maximum
X,Y Axis (Stroke)	: Ø 500mm
Z Axis (Stroke)	: 80mm (Maximum $\phi$ 500mm) / 150mm (Center $\phi$ 200mm)
Repeatability (X,Y & Z Axis)	: $\pm$ 0.5mm
Drive Method	: Closed Loop Stepping System
Installation	: Ceiling Mount
Controller	: 4 Axis Controller – System Controls
Communication Interface	: RS232 / RS485
Dimension	: L - 90 mm; B - 60 mm; H - 430 mm
Weight	: 22 kgs
Temperature	: 0° C to +50° C
Humidity	: 5 - 95% (Non-condensing)
Repeatability	: $\pm$ 0.5mm
Communication Interface	: ETHERNET TCP/IP
Weight	: 26Kg

## SERVICES

- ◆ Engineering Design & Development
- ◆ System Integration Development
- ◆ Electronic Testing & Assembly
- ◆ CNC Machining & Manufacturing

### SYSTEM CONTROLS TECHNOLOGY SOLUTIONS

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