



CODIAN
ROBOTICS

D2 - 800

The essence of
natural innovation for
pick and place robotics

The Codian Robotics D2-800 two-axis delta robot is ideal for high speed toploding pick & place processes. The proven concept design with a minimum of mechanical components results in a high quality robot.

The parallel kinematic design is clean, fast and silent. The D2-800 is designed to perform with payloads up to 3 kg and has a working envelope of 800 mm. The robot can be controlled by various industry standard motion control systems.

- Open platform for servo motors and control systems
- ISO mount gripper interface
- Materials: carbon fibre, stainless steel, anodized aluminium, plastic
- Zero footprint
- Low maintenance, easy accessible

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THE NEW STANDARD FOR PICKING AND PLACING

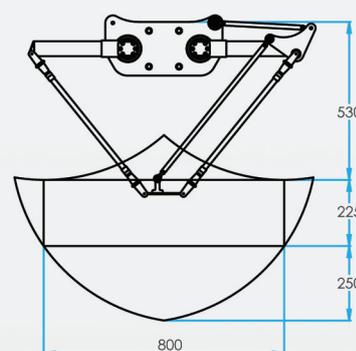
SPECIFICATIONS

Kinematic Structure:	delta type
Degrees of freedom:	2
Protection:	IP 65
Noise Level:	< 70 dB(A)
Weight:	40 kg

PERFORMANCE

Rated working range:	800 x 225 mm
Payload:	3 kg
Pick and Place actions:	max. 200 p/min
Position repeatability X,Y,Z:	± 0.2mm

WORKING RANGE



CYCLE TIMES

Path Z1 x Y x Z2*	Payload:	Cycle**:
25 x 305 x 25	0.1 kg	0.30 s
25 x 305 x 25	0.5 kg	0.40 s
25 x 305 x 25	1 kg	0.50 s
25 x 305 x 25	3 kg***	0.85 s

*one cycle is two moves: forwards and backwards to the start position without pick-up and place time
 **cycle times are theoretical and can vary depending on the application, programming and other parameters
 *** with special high torque gearboxes

