The Codian Robotics D2-800 robot is a Delta 2 robot ideal for high speed two-axis pick & place single picking and many toploading processes. The concept results in a design with a minimum of mechanical components.

The parallel kinematics design is clean, fast and silent. The robot is designed to perform with payloads up to 1 kg and has a working envelope of 800 mm. The robot can be controlled by various industry standard motion control systems.

- Suitable for 3rd party control systems
- Open mechanical interface for motors and gears
- ISO mount gripper interface
- Materials: carbon fibre, stainless steel and anodized aluminium
- Zero footprint
- Low maintenance

www.codian-robotics.com
D2 - 800

THE NEW STANDARD FOR PICKING AND PLACING

SPECIFICATIONS

- Kinematic structure: delta type
- Degrees of freedom: 2
- Protection: IP 55
- Noise level: < 70 dB(A)
- Weight: 40 kg

WORKING RANGE

Rated working range: ø 800 x 225 mm

PERFORMANCE

- Payload (max.): 1 kg
- Pick and place actions: max. 200 p/min
- Position repeatability X,Y,Z: ± 0.2mm

CYCLE TIMES

Path Z1 x Y x Z2*: Payload: Cycle times **:
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

*note that times are based on back and forth movement, pick, place, pick
** indication cycle times depending on the application of the customer