

CODIAN
ROBOTICS

D4-800/1100/1300 HD

LOGICAL INNOVATON FOR PICK AND PLACE ROBOTICS

The Codian Robotics 100% hygienic design D4-800/1100/1300 HD, three- or four-axis delta robots are specially designed for high speed toploading pick & place processes with open food, chemical or pharmaceutical products. The special surface treatment of the robot housing with ViwateQ finishing against the growth of micro-organism and the IP69K protection make the robot unique in its kind.

The parallel kinematics design is clean, fast and silent. The D4-800/1100/1300 HD delta pick & place robots are designed to perform with payloads up to 3 kg and have a working envelope of 800/1100/1300 mm. The robots can be controlled by various industry standard motion control systems. Combined with a vision system, they can also be used for random and/or mixed product flow picking.

- Open platform for servo motors and control systems
- Materials: titanium, 316L stainless steel, sanitary plastic, ViwateQ finishing
- Suitable for certain Clean Room applications
- Fully enclosed system for gearboxes, servo motors and cables
- Low maintenance, easy access to inner components
- Smooth seamless rounded surface, easy to clean, CIP (Cleaning In Place)
- IP69K
- All materials are FDA approved



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D4-800/1100/1300 HD

THE NEW STANDARD FOR PICKING AND PLACING

SPECIFICATIONS

Kinematic structure:	delta type
Degrees of freedom:	3+1*
Protection:	IP69K
Noise level:	< 68 dB(A)
Weight:	100 kg

*with optional rotation axis

PERFORMANCE

Rated working range:	ø 800/1100/1300 x 250 mm (see drawing)
Payload:	3 kg
Pick and Place actions (D4-800/1100/1300 HD):	max. 180/150/120 p/min
Position repeatability X,Y,Z:	± 0.1mm
Rotation axis Rz (optional):	angle unlimited angular repeatability Rz ± 0.3 ° limitation rotation axis torque 16 Nm

WORKING AREA



