



LOGICAL INNOVATION FOR
PICK AND PLACE ROBOTICS

D4-1300-HP/D4-1300-HPL

The Codian Robotics D4-1300-HP/D4-1300-HPL three- or four-axis delta robots are ideal for high speed toploding pick & place processes. The robots are designed for very high payloads. Up to 10kg for the D4-1300-HPL and 20 kg for the D4-1300-HP.

The parallel kinematics design is clean, fast and silent. The D4-1300-HP and D4-1300-HPL have a working envelope of \varnothing 1300 mm. The robots can be controlled by many different PLC and 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
- Designed for applications up to 15G
- ISO mount gripper interface
- Materials: carbon fibre, stainless steel, anodized aluminium, titanium, plastic
- Zero footprint
- Low maintenance, easy access to components



CODIAN
ROBOTICS

D4-1300-HP/D4-1300-HPL

THE NEW STANDARD FOR PICKING AND PLACING

SPECIFICATIONS

	D4-1300-HP	D4-1300-HPL
Kinematic structure:	delta robot	delta robot
Degrees of freedom:	3+1*	3+1*
Protection:	IP 65	IP 65
Noise level:	< 68 dB(A)	< 68 dB(A)
Weight:	115 kg	90 Kg

*with optional rotation axis

PERFORMANCE

	D4-1300-HP	D4-1300-HPL
Rated working range:	Ø 1300 x 300 mm	Ø 1300 x 300 mm
Payload (max.):	10 kg* / 20 kg**	8 kg* / 10 kg**
Pick and Place actions:	max. 110 p/min	max. 130 p/min
Position repeatability X,Y,Z:	± 0.5mm	± 0.5mm
Angular repeatability*:	± 0.3 °	± 0.3 °
Limitation rotation axis torque*:	60 Nm	26 Nm

*with optional rotation axis

**without optional rotation axis

WORKING AREA

