



**CODIAN**  
ROBOTICS

LOGICAL INNOVATION FOR  
PICK AND PLACE ROBOTICS

# D4-1600/D4-1600-L

The Codian Robotics D4-1600/D4-1600-L three- or four-axis delta robots are ideal for high speed toploading pick & place processes. The robots are designed for very high payloads. Up to 8kg for the D4-1600-L and 12 kg for the D4-1600.

The parallel kinematics design is clean, fast and silent. The D4-1600 and D4-1600-L have a working envelope of Ø 1600 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



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## D4-1600/D4-1600-L

THE NEW STANDARD FOR PICKING AND PLACING

### SPECIFICATIONS

	D4-1600	D4-1600-L
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

	D4-1600	D4-1600-L
Rated working range:	Ø 1600 x 350 mm	Ø 1600 x 350 mm
Payload (max.):	8 kg* / 12 kg**	5 kg* / 8 kg**
Pick and Place actions:	max. 100 p/min	max. 120 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

