

D2 - 1500

The essence of

natural innovation for

pick and place robotics

The Codian Robotics D2-1500 two-axis delta robot is ideal for high speed toploading 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 D2-1500 is designed to perform with high payloads up to 35 kg and has a working envelope of 1500 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
- Zero footprint
- Almost maintenance free, easy accessible

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D2 - 1500

THE NEW STANDARD FOR PICKING AND PLACING

SPECIFICATIONS

*with optional rotation

PERFORMANCE

Rated working range: 1500 x 347 mm Rotation (Rz): angle unlimited*

Payload (max.): 35 kg

Pick and Place actions: max. 45 p/min Position repeatability X,Y,Z: \pm 0.3 mm Angular repeatability Rz*: \pm 0.1 ° Limitation rotation torque*: 22 Nm

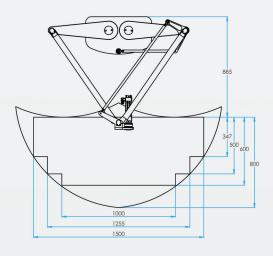
*with optional rotation

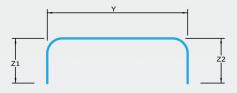
CYCLE TIMES

Path Z1 x Y x Z2*:	Payload:	Cycle times **:
500 x 300 x 100	5 kg	1.27 s
500 x 300 x 100	10 kg	1.78 s
500 x 300 x 100	35 kg*	2.07 s
200 x 500 x 300	5 kg	1.77 s
200 x 500 x 300	10 kg	2.47 s
200 x 500 x 300	35 kg*	2.80 s

 $^{^{\}star}$ one cycle is two moves: forwards and backwards to the start position without pick-up and place time

WORKING RANGE















^{**} cycle times are theoretical and can vary depending on the application, programming and other parameters