

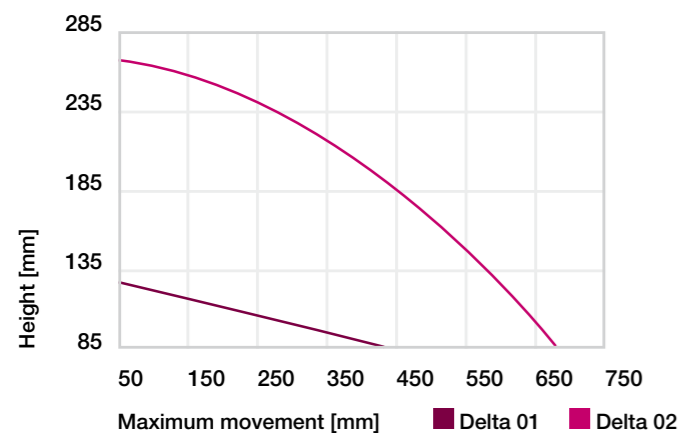
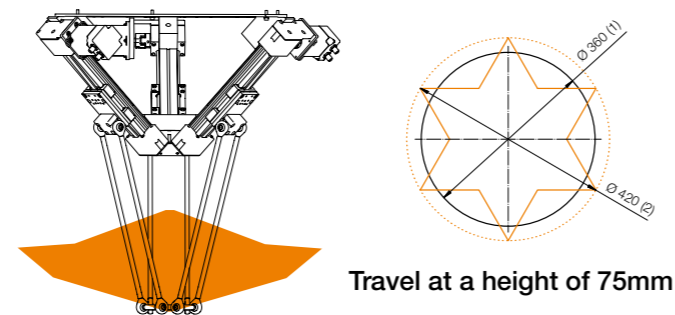
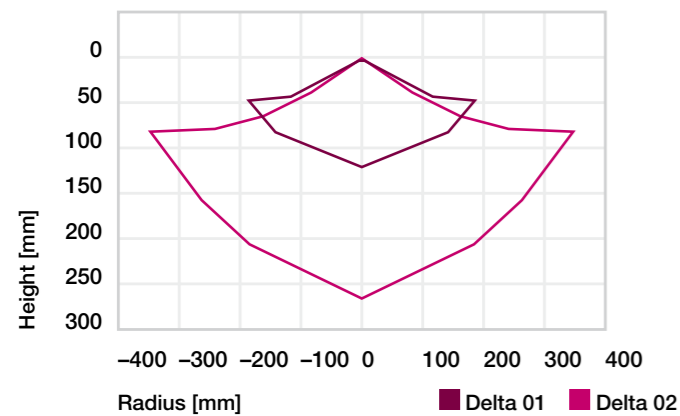
Delta robots



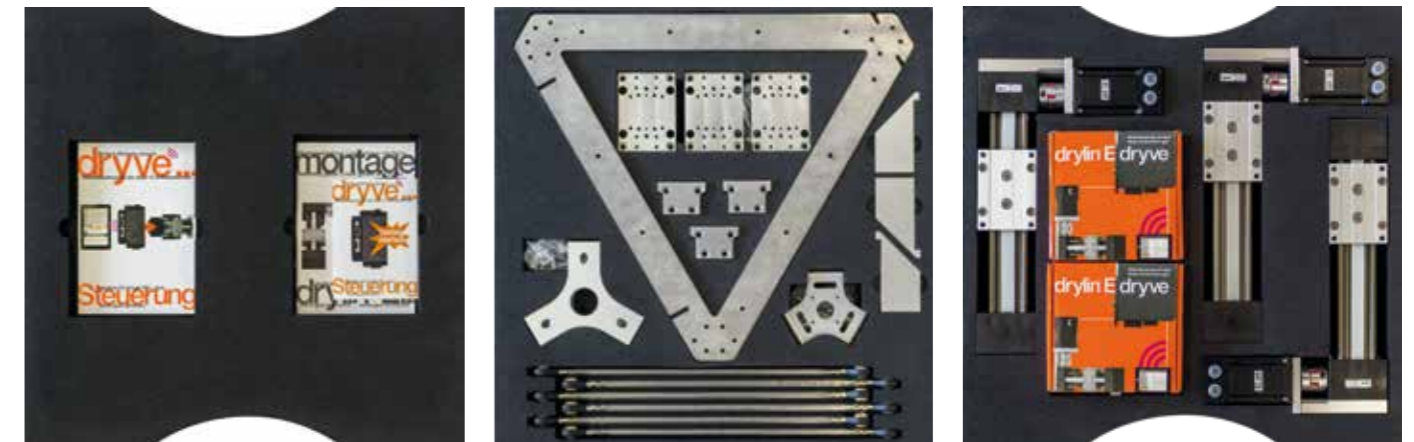
Delta robot consisting of:

- 3 drylin® toothed belt axis with NEMA23XL stepper motor with encoder
- Lightweight igubal® delta kinematics
- Mounting brackets for mounting in a frame and possibilities of adaptation for grippers/motor: with or without D1 dryve stepper motor control units.
- As a construction kit or completely pre-assembled in a transport rack.
- Optional accessories: initiator kits, motor encoders and sensor cables

Technical data	Delta 01 DLE-DR-0001	Delta 02 DLE-DR-0050
Positioning accuracy	± 0.5mm	± 0.5mm
Working area diameter at 75mm	360mm	660mm
Max. payload	5kg	5kg
Max. process force at radius 0mm	100N	100N
Dynamics at 500g	Min. 60 picks/min	Max. 30 picks/min.
Mass	15kg	16kg
Max. track speed	3m/s	0.7m/s
Max. acceleration	60m/s ²	2m/s ²

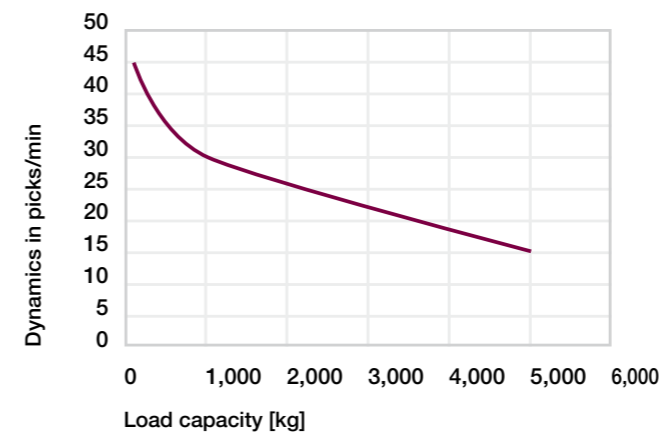


Delta robot kit



Optional accessories: initiator kits, motor encoders and sensor cables, calibrating pin, cable clip
 ▶ www.igus-asean.com/delta-robot

Part No.	Delta 01	Delta 02	Description
DLE-DR-0001	DLE-DR-0001	DLE-DR-0050	Delta robot, kit in compact transport box
DLE-DR-0002	DLE-DR-0002	DLE-DR-0051	Delta robot, pre-installed kinematics, in transport rack made of profiled rails
DLE-DR-0003	DLE-DR-0003	DLE-DR-0052	Delta robot, kit in compact transport box, incl. 3x D1 dryve stepper motor control units
DLE-DR-0004	DLE-DR-0004	DLE-DR-0053	Delta robot, pre-installed kinematics, in transport box made of profiled rails, incl. 3x D1 dryve stepper motor control units



You can get the highest (picks/min) by using a master control system with path planning function. (e.g. Sinus acceleration ramp and optimised motor control parameters). Graph as shown applies to a load motor voltage of 48 [V] mounted in a stable and vibration-free frame.

