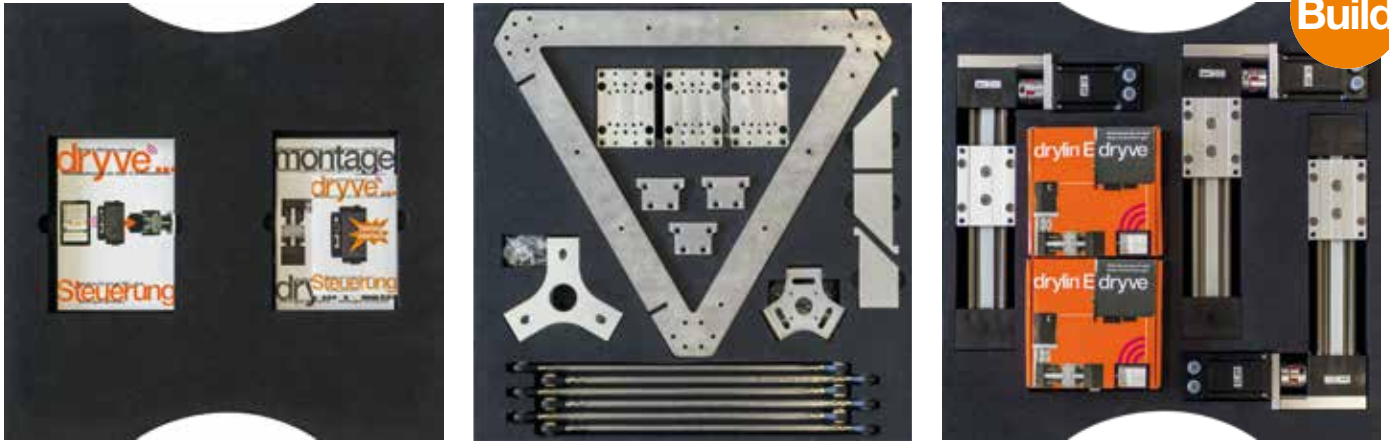


Delta robot kit

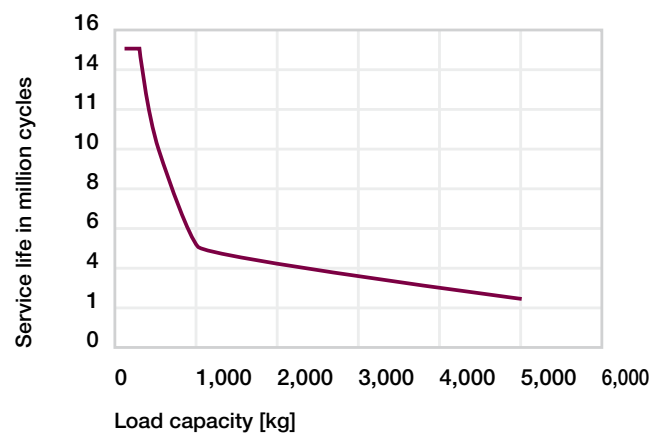
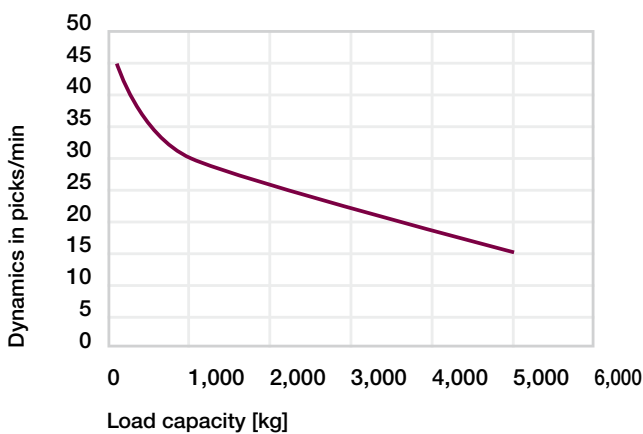
Build



Optional accessories: initiator kits, motor encoders and sensor cables, calibrating pin, cable clip

► www.igus.eu/delta-robot

Part No.	Description
Delta 01	Delta 02
DLE-DR-0001	DLE-DR-0050
DLE-DR-0002	DLE-DR-0051
DLE-DR-0003	DLE-DR-0052
DLE-DR-0004	DLE-DR-0053



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.

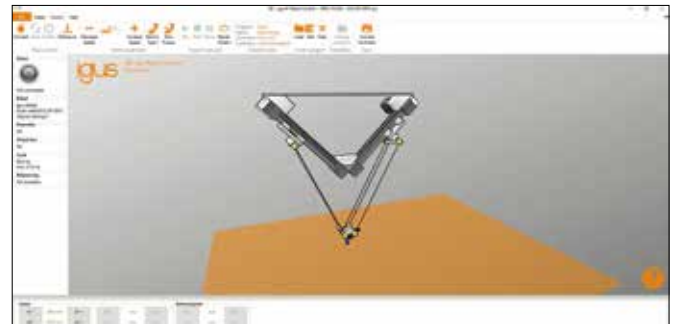
Delta robot as 2-axis kinematics



Delta robot consisting of:

- 2 drylin® toothed belt axis with NEMA23 XL stepper motor with encoder
- Lightweight igubal® delta kinematics
- For simple, fast and automated assembly tasks
- Ready for connection with stepper motors for dryve D1 motor control system or as plug & play with the igus® Robot Control

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igus® Robot Control ► From page 718

Technical data

Part No.		DLE-ZR-0001	DLE-ZR-0002
Positioning accuracy	[mm]	± 0.5	± 0.5
Working area diameter at 75mm	[mm]	400	700
Max. payload	[kg]	5	5
Max. process force at radius 0mm	[N]	100	100
Dynamics at 500g	[Picks/min]	Min. 80	Max. 45
Weight	[kg]	15	16
Track speed	[m/s]	3	0.7
Max. acceleration	[m/s ²]	60	2
Stroke -20mm for initiator	[mm]	200	315
Centre distance articulated rods	[mm]	450	550

