



DesktopDelta

Fast and accurate robot for precision assembly

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The DesktopDelta has been conceived for fast displacement or assembly of light-weight components. It is one of the fastest and most precise robots in its category and allows up to 2 pick-and-place motions per second. Its repeatability of approximately 2 microns makes it a robot especially well suited for precise assembly tasks.

TECHNICAL DATA

DesktopDelta 350

Degrees of freedom:	3 (x,y,z)
Multi-directional repeatability:	$\pm 2.0 \mu\text{m}$ (3σ)
Workspace:	$\varnothing D$: 350 mm h1: 60 mm h2: 270 mm
Cycle-time: (path: 20 x 250 x 20 mm)	350 g: 0.30 s
Force in vertical direction (z):	20 N

CONTROLLER FEATURES

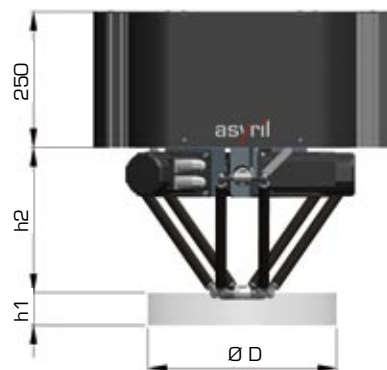
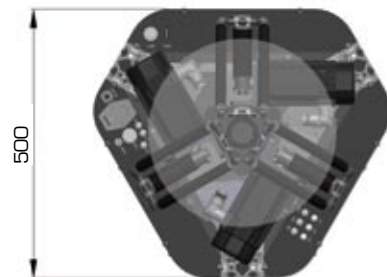
- Controller integrated above the robot
- Intuitive web-interface
- Jerk limited trajectory generation
- Configurable workspace objects
(frames, points, tools)
- Program-editor (text format IEC 61131)

INTERFACES

- | | |
|------------------|-------------------------------------|
| • Communication: | Ethernet, TCP/IP, HTTP |
| • Digital I/Os: | 3 inputs (24 V)
3 outputs (24 V) |
| • Power supply: | 230 V, 6 A |

OPTIONS

- Rotation axis (Rz)
- Embedded vertical compliance module
- Vision-kit
- Tool changer



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