# U10H Delta Robot

Machine builder and plant manufacturer can focus on the application – VELTRU offers the robots and additional technology required for system integration in Pick-and-Place.

- Integrated Servo Drives
- Compact & Lightweight Design
- STO Safety Integrated

**Options:**

- Gripper and other peripherals
- Engineering and Support
- Training Application

The VELTRU U10H Delta Robot is specifically suited for top loading of lightweight products like sealed packages. The application can support further axis to realize the third dimension of lateral movements on a fully coordinated conveyor.

Its lightweight design allows using simple frame designs to reach the necessary stiffness. The integrated EtherCAT Drives with SafeTorqueOff (STO) functionality simplify cabling and reduce electrical cabinet space.

Customers profit from fast time to market, flexibility to adapt to specific market needs in their niches and a hands-on support.

The VELTRU U10H Delta Robot is foreseen to be controlled by a VELTRU C10 Motion Controller. The CODESYS V3 based Soft PLC Motion Controller ensures that developers, commissioning and field service engineers are familiar with the system.

Typical applications with the U10H only need very basic logic and interfaces with other machinery. For more complex applications or to ensure using the same concepts throughout the entire robot offering, VELTRU offers a source code Application Template featuring a fully fletched Pick-and-Place application.

# Technical data – VELTRU U10H

| | |
|---|---|
| Number of axes | 2 |
| Work range (vertical plane) | 1000 × 300 mm |
| Payload | 6 kg |

Cycle Time (without handling)

| | |
|---|---|
| 50/500/50 – 1.0 kg | 0.53 s |
| 50/500/50 – 4.0 kg | 0.75 s |
| 100/700/100 – 1.0 kg | 0.72 s |
| 100/700/100 – 4.0 kg | 1.0 s |

| | |
|---|---|
| Position Repeatability | ±0.15 mm |

Power Supply (Heavy Duty Connector)

| | |
|---|---|
| Mains | 1 × 230 VAC |
| Rated Power | 4 kVA |
| Typical Power Consumption | 0.5 kW |
| Logic | 24 VDC, 1.5 A |
| Communication | EtherCAT |
| Weight | 75kg |
| Mounting | overhead, 4x M10 |
| Safety | STO, SIL d |
| Protection class | IP 54 |
| Temperature | 0° - 45° |
| Humidity | 95% noncondensing |
| Noise level | < 68 db (A) |
| Controls | C10 Motion Controller |
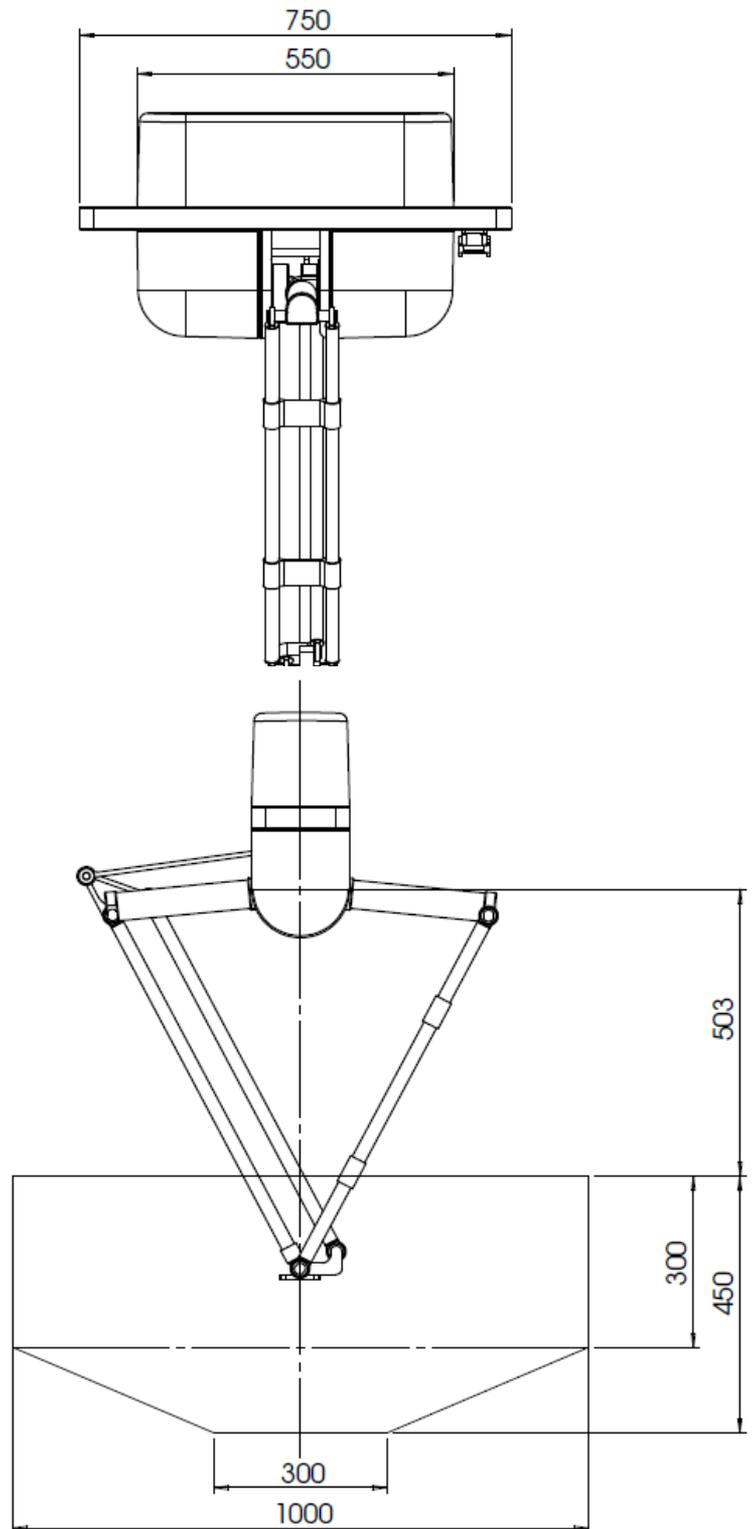
All specifications are subject to changes without notice.

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