

D8 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:

- Rotary Feed Through and Gripper
- Machine Vision and other peripherals
- Engineering and Support
- Training Application

The VELTRU D8 Delta Robot is specifically suited for fast Pick-and-Place of technical products. Typical applications include feeding of bulk material into assembly processes or packaging of technical goods.

Its lightweight design allows using simple aluminum profile frames to reach the necessary stiffness requirements. 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 D8 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.

For successful system integration, especially in multi robot systems, VELTRU offers logistics concepts and technology for communication.

The source code Application Template featuring a fully fletched Pick-and-Place application gives system integrators a jump start for fast time to market.

Technical data – VELTRU D8

Number of axes 4 (opt 3)
 Work range (cylinder) $\varnothing 800 \times 210$ mm
 Payload 1 kg

Rotational torque 1 Nm

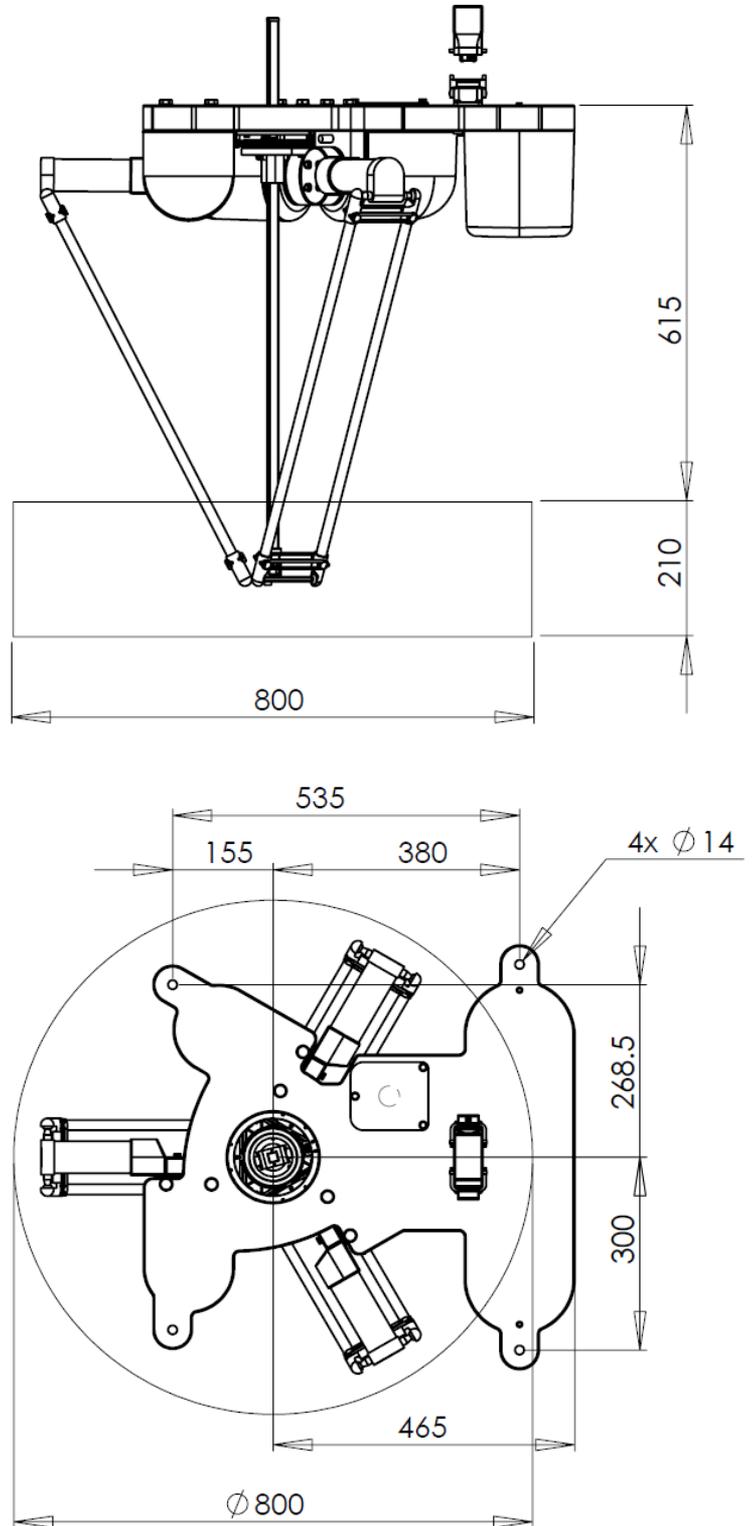
Cycle Time (without handling)
 25/305/25 – 0.1 kg 0.35 s
 25/305/25 – 1.0 kg 0.48 s
 40/700/40 – 0.1 kg 0.52 s
 40/700/40 – 1.0 kg 0.72 s
 Position Repeatability ± 0.15 mm
 Angular Repeatability $\pm 0.5^\circ$

Power Supply (Heavy Duty Connector)
 Mains 1 \times 230 VAC
 Rated Power 2 kVA
 Typical Power Consumption 0.5 kW
 Logic 24 VDC, 1.5 A
 Communication EtherCAT

Weight 45kg
 Mounting overhead, 4x M10

Safety STO, SIL d
 Protection class IP 54
 Temperature $0^\circ - 45^\circ$
 Humidity 95% noncondensing
 Noise level < 68 db (A)

Controls C10 Motion Controller



All specifications are subject to changes without notice.

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