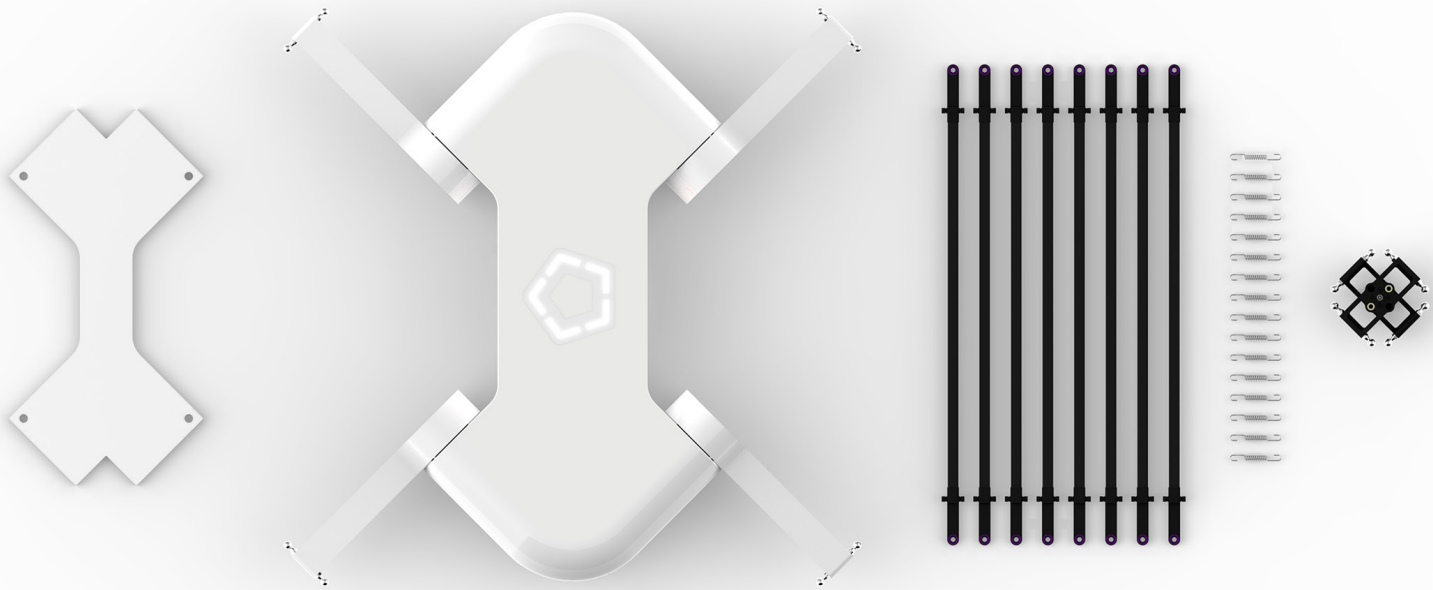
Moving parallel robotics forward.

Market requirements formed the basis for the development of the **veloce.** parallel robot. The result is a design that fulfils the demand for durability, speed, precision and optimal flexibility. The **veloce.** parallel robot is based on a modular design with a revolutionary drive construction and unique rotation options. The **veloce.** robot provides an auspicious return on your investment.

- Workspace up to 2200 mm
- Rotation driven by parallel architecture
- High payload
- Hygienic design
- No dedicated software needed
- Low and easy maintenance



Technical Specifications

penta robotics
veloce.

General

Structure	parallel
Mounting	top
Controlled axes	4
Maximum payload	10 kg
Position repeatability	± 0.1 mm
Rotation range	90° / 180°
Noise level	< 60 dB(A)
Protection	IP65 / IP67
Ambient temperature	0° C – 40° C
Humidity	up to 95%
Mass	79 kg
CE compliant	

Performance

Maximum velocity	10 m/s
Maximum accelaration	200 m/s²

Cycle times

	Standard Path Z_1 x Y x Z_2 25 mm x 305 mm x 25 mm	Extended Path Z_1 x Y x Z_2 25 mm x 700 mm x 25 mm
0.2 kg	0.32 s	0.49 s
1.0 kg	0.37 s	0.51 s
3.0 kg	0.49 s	0.54 s
7.5 kg	1.17 s	1.47 s
10.0 kg	1.37 s	1.61 s

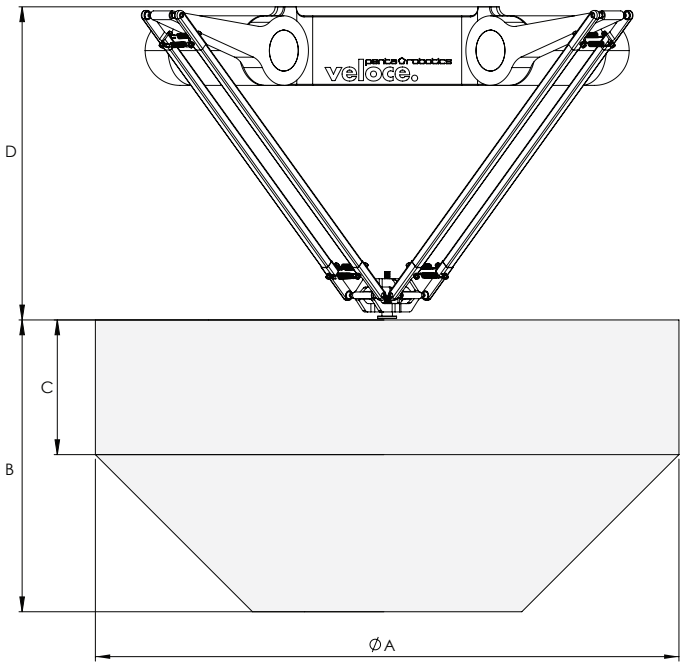
Cycle times conducted in the laboratory at the University of Twente are measured including rotational platform and gripper bracket.

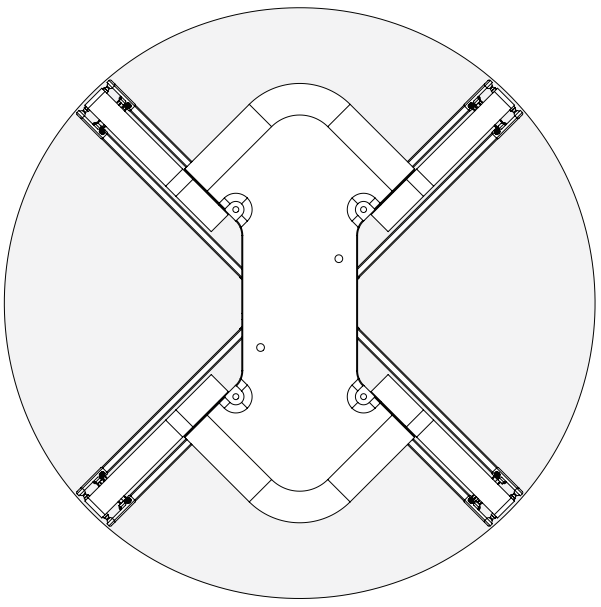
Please contact us to define your specified requirements in real time at our test center.

Dimensions per workspace

Zero footprint for all configurations.

Size	∅A	B	C	D
Small	1400 mm	660 mm	230 mm	700 mm
Medium	1700 mm	680 mm	210 mm	950 mm
Large	1900 mm	1080 mm	550 mm	780 mm
Extra large	2200 mm	1070 mm	420 mm	950 mm





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Westford Offices
Olof Palmestraat 2
2616 LM Delft
The Netherlands

t +31 152 001 159
e info@pentarobotics.com
w www.pentarobotics.com