

UFOMicro

TARGET CARRIER

Being the latest addition to the active safety products, the UFOMicro target carrier was developed specifically for PTW (Powered Two Wheeler) and VRU (Vulnerable Road User) tests.

To cover realistic road traffic conditions and behavior of road users, the UFOMicro¹ can reach a speed of up to 80 km/h carrying a PTW or CNCAP E-Scooter target. With this remarkable speed feasibility, the UFOMicro is one of the fastest solutions on the market. With its mountable cantilever, it can carry bicycle and different pedestrian VRU targets with no effort.

Even being the most recent addition to the Humanetics UFO models range the UFOMicro can be seamlessly integrated in the existing and proven Humanetics UFObase software environment. The configuration and testing of complex real life scenarios with up to ten robots can be done easily due to the seamless synchronization. Considering the important aspects of reliability and repeatability, the UFOMicro was designed with extremely high lateral and longitudinal accuracies for dependable and repeatable testing. In addition, our dedicated team of engineers have conducted radar measurements to confirm the extremely low radar signature of the stealth design. The target carrier is equipped with multiple motion data input and output interfaces and a highly accurate dual antenna DGNSS system. As all other Humanetics UFO models, the UFOMicro is traversable and has the advantage of high-capacity, swappable batteries. The UFOMicro is designed to cover all Global NCAP testing needs to 2025 and beyond.

If you would like to know more about the Humanetics UFOMicro, please contact your local sales representative or email the team at sales.austria@humaneticsatd.com



Key Features

- » **Swappable batteries** with 500 Wh capacity per battery set
- » **Speeds up to 80 km/h**
- » **Waterproof design**
- » **Remarkable side accuracy of 50 mm**
- » **Integrated with UFObase Control Software** for complex testing
- » **Special stealth outer shell design** for optimized radar signature
- » **Designed to cover Global NCAP testing needs up to 2025 and beyond**
- » **Possibility to configure and test complex scenarios** with multiple robots
- » **Highly accurate dual antenna DGNSS system**
- » **Seamless integration** with Humanetics UFO model range for synchronized testing

¹ The designated hereinafter referred to as UFOMicro, is describing UFOMicro target carrier.

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SPECIFICATIONS

Dimensions	1050 x 980 x 70 mm
Weight	85 kg
Maximum Speed (including ACEA motorbike target)	80 km/h
Speed Control Accuracy*	0.2 km/h with ACEA Dummy
Speed Measurement Accuracy	0.01 km/h
Side Accuracy*	50 mm SD1
Yaw Rate*	+/- 2 deg/s
Longitudinal Acceleration*	2 m/s ²
Longitudinal Deceleration*	6 m/s ²
Positioning System	RTK DGNSS dual Antenna unit with GPS/GLONASS and Beidou
Batteries	2 high capacity swappable batteries Hot swap maintains the DGNSS initialization
Battery Set Duration*	Half testing day Battery swapping time: 2 minutes
Battery Set Charging Time	Max. 1 hour
Traversability	Passenger Vehicles Commercial Vehicles
Compatible Dummies	ACEA Motorbike Dummy ACEA Scooter Dummy ACEA Adult Pedestrian (mounting height 25mm with cantilever) ACEA Child (mounting with cantilever) ACEA Bicycle (mounting with cantilever)
RCS	In line with US/CD 19206-x and Global NCAP requirements
Operating Software	UFObase Control Software
Compatibility	Up to ten Humanetics robots in one scenario Third party DrivingRobot interface on request

*depending on the speed of the UFOmicro target carrier



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