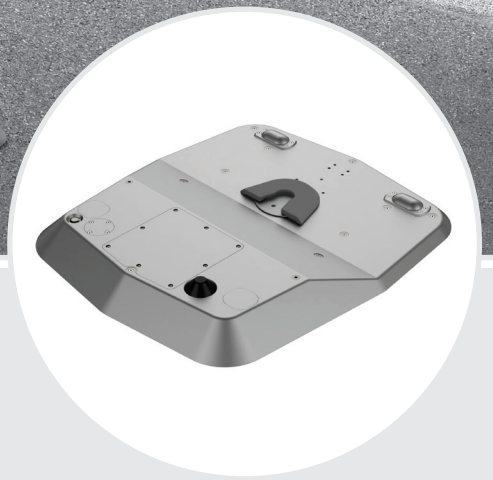


UFO nano

TARGET CARRIER



The UFO nano target carrier was developed specifically for pedestrian and bicycle testing. Its unique 2+2-wheeler design enables highly agile two-dimensional movements of pedestrian and bicycle dummies, enabling it to simulate complex and realistic scenarios for VRU active safety system tests.

Despite the reduced size of the UFO nano¹, it retains the same robustness as the other UFO target carrier models for added stability, especially in windy conditions.

This versatile new device features the same familiar design as the Humanetics UFO pro target carrier, however its compact size and steering setup allows it to drive curves of every radius and even turn on the spot. It can easily accommodate a pedestrian test dummy with a shoulder width footprint barely larger than that of a real person, allowing multiple dummies to 'swarm' together with closest shoulder to shoulder distance and mimic individualized behavior.

As the other UFO models, the UFO nano is overrunable and has the advantage of high-capacity, swappable batteries. The target carrier is fully integrated into the Humanetics UFO base Control Software for complex testing using different robots from the Humanetics family.

Its modern stealth design featuring a sleek, robust metal surface makes the UFO nano invisible to the test vehicle's radar – a necessity for maintaining realistic test conditions.

Key Features

- » Swappable batteries
- » Speeds up to 20 km/h
- » RTK-GPS system for high accuracy
- » On-the-spot turning for realistic pedestrian behavior
- » Integrated with UFO base Control Software for complex testing
- » Rope-free
- » Simple and reliable design
- » Robust metal construction with ultra-low radar cross-section
- » Special stealth outer shell design for optimized radar signature
- » Designed to accommodate both current and future ATD generations
- » Shoulder-to-shoulder testing to 500mm
- » Versatile modular build consisting of robot plus an exchangeable appendix to allow for different footprints
- » Seamless integration with Humanetics active safety product family for synchronized testing



See the UFO nano target carrier in action.

¹ The designated hereinafter referred to as UFO nano is describing UFO nano target carrier.

UFO nano

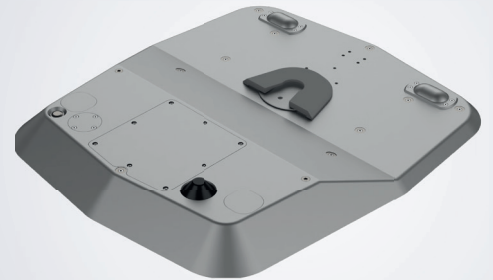
TARGET CARRIER

SPECIFICATIONS

Accuracy	Up to 3 cm
Acceleration	2m/s ² incl. Euro NCAP approved adult pedestrian dummy mounted
Waterproof	Splash water protected
Dimensions	700 x 800 mm, diamond design
Chassis Height	20-65 mm
Maximum Speed	20 km/h
Weight	25 kg
Battery	4 hot swappable batteries, incl. 2 built-in battery slots
Payload	12 kg
Chassis Design	Split design (drive unit/mounting unit)
Motor	2x electric high power density motors
GNSS	Dual antenna RTK
Communication	WiFi with hardware acceleration
Operating Software	UFObase Control Software
Remote Control	Master control panel with HD display
Capabilities	Multi-UFO / Swarm testing
RCS	Diamond shape, optimized according ISO19206-2/Euro NCAP requirements
Pedestrian ACEA Dummy	Mounting according ISO 19206-2
Bicycle Dummy	Yes
Other VRU Dummies	With flexible interface on request
Onboard Communication Interface	Ethernet RJ45 socket



WORLDS SMALLEST FOOTPRINT



TURN ON THE SPOT FUNCTION

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