



Your Monthly News & Updates

October 2020

200 Cars Tested in Just 2 Years!

A Customer Success Story

Covering a wide range of automotive related stories since 1956, Italian magazine [Quattroruote](#) ("Four Wheels") also offers in-depth vehicle reviews for prospective buyers. The monthly magazine takes their road and track testing quite seriously – enough so that they've been using their very own test track, the [Automotive Safety Centre \(ASC\)](#) for the past 25 years.



As with most test tracks around the world, the focus at ASC has progressively shifted to advanced driver assist technologies. Thorough analysis needs to be done to ensure that complex test systems are performing seamlessly and accurately – but how does ASC keep up with rigorous and repetitive testing between so many different vehicle models? Well, in addition to their highly qualified engineers and test personnel, they also have the **Humanetics Ultra-Flat Overrunable (UFO) robot platform** to their advantage.

Here's what ASC had to say about their experiences working with the Humanetics UFO system:



"In our ADAS workflow we made a testing protocol that had to be agile to be done in a working day and significant enough to evaluate the main ADAS functions, with a specific focus on AEB features."

We found in the Humanetics UFO an easy to use, robust and reliable testing solution that let us perform each testing day without any stop for charging batteries, switching with ease from the C2C tests to the VRU tests thanks to the 'VRU kit'."

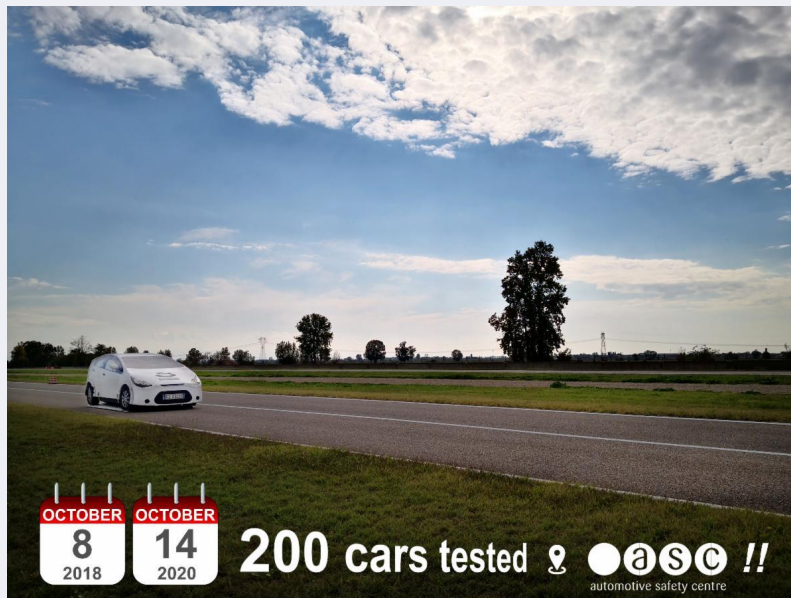
When it comes to running tests all day, the UFO has the leading edge over the competition for several reasons. **It's currently the only robot platform with high-capacity exchangeable batteries on the market**, meaning ASC is able to maximize their working hours with virtually no downtime. Empty batteries can be swapped for full ones in just a few minutes right on the track, and the **Global Vehicle Target (GVT) dummy car can even remain attached to the UFO during the exchange.**

When executing car and pedestrian scenarios back-to-back, the UFO quickly switches from Car-to-Car (C2C) to linear trajectory Vulnerable Road User (VRU) scenarios by simply attaching a mounting platform to support the pedestrian or bicycle dummy. This simple add-on VRU Kit streamlines operations at ASC by eliminating the need for a second platform just for pedestrian testing.



For ease of portability and routine maintenance, the add-on ramps are removeable, and **all internal components can be accessed through a single central cover plate which is easily taken off by removing just a few screws.**

We'd like to think these advantages played a part in helping ASC test 200 cars in just 2 years!



In addition to this impressive record, ASC has been stepping up their game by experimenting with new protocols above and beyond Euro NCAP regulations. Concerned that existing test protocols may not be exhaustive enough, OEMs have been working with ASC to challenge their Automatic Emergency Braking (AEB) systems with new configurations – e.g. attaching a baby stroller to the front of a pedestrian VRU dummy, or adding a backpack to a child VRU. The UFO-Base operating system software was designed for just such versatility and is easily configurable to any imaginable scenario. The possibilities are endless!



The driver-assist features we have today will likely evolve into the AV technologies of tomorrow, bringing the need for reliable, repeatable, and efficient vehicle testing to an all-time high.

Please contact us if you'd like to know more about how the Humanetics UFO can help you stay ahead of the curve with its versatility and ease of use.

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