

MAHA INNOVATION CENTER

PIONEERING SOLUTIONS FOR THE MEASUREMENT
AND TESTING TECHNOLOGY OF TOMORROW.

STILL IN
DEVELOPMENT
PILOT CUSTOMER
PHASE UNDER-
WAY



MAST 2.0

ADAS FUNCTION TEST.

PRECISE. MEASURABLE. REPRODUCIBLE.

made by MAHA
made
in
Germany



THE TEST TRACK ON THE TEST STAND.

Right now, ADAS functions like autonomous emergency braking (AEB), lane assist and adaptive cruise control can only be calibrated based on their individual camera and radar sensors. But calibrating the sensors isn't the same as testing the entire system. Genuine function testing is still missing.

Test tracks with physical targets, or highly complex end-of-line test stands, simply don't add up for everyday PTI work or in a typical workshop. For most operators, the investment doesn't pay off.

At EU level, ADAS function testing is already being actively discussed. The draft directive is taking shape – and the direction is clear: **Whoever makes the first move will have the advantage.**

A white autonomous vehicle is positioned on a large, dark grey test stand. The stand features several vertical support structures and a horizontal track system. The vehicle is equipped with various sensors, including a camera and radar, and is surrounded by mechanical components for testing. The background is a light grey, suggesting an indoor test environment.

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MAST 2.0. ADAS FUNCTION TEST. PRECISE. MEASURABLE. REPRODUCIBLE.



Patented steering compensation.

Actively controls the front roller set to keep the vehicle centred.

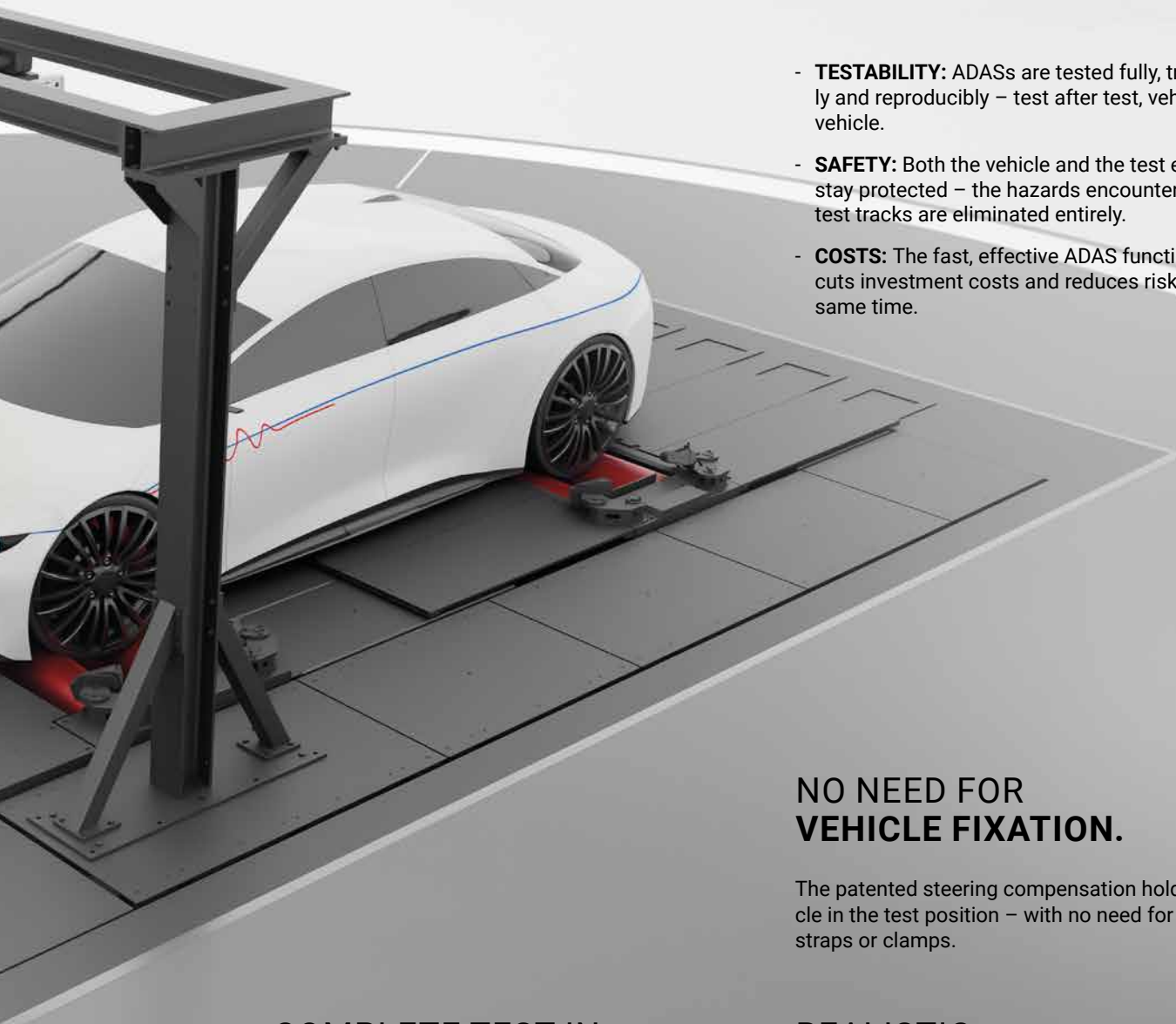


Continuously variable flywheel mass.

The variable wheelbase and a design built for different weight classes enable testing of a wide range of vehicle types.

WHAT YOU GAIN:

- **TESTABILITY:** ADASs are tested fully, transparently and reproducibly – test after test, vehicle after vehicle.
- **SAFETY:** Both the vehicle and the test engineer stay protected – the hazards encountered on real test tracks are eliminated entirely.
- **COSTS:** The fast, effective ADAS function test cuts investment costs and reduces risk at the same time.



NO NEED FOR VEHICLE FIXATION.

The patented steering compensation holds the vehicle in the test position – with no need for tension straps or clamps.

COMPLETE TEST IN 180 SECONDS.

Autonomous emergency braking, lane assist and adaptive cruise control: fully tested in under three minutes – for results that are measurable, reproducible and suitable for slotting straight into the PTI process.

REALISTIC DRIVING CONDITIONS.

The flywheel mass, steering rollers and sensor stimulation work together to recreate genuinely realistic driving conditions.

THE TECHNOLOGY AT A GLANCE.

PRECISE OVER-THE-AIR SIMULATION.

Real-time simulation and stimulation of radar and camera signals for realistic ADAS testing under controlled conditions.

DESIGNED FOR EASY WORKSHOP INTEGRATION.

Fits straight into existing inspection processes – with no special rigs or vehicle fixation – and built for both workshop and PTI use.

UNIVERSAL VEHICLE COMPATIBILITY.

Tests and calibrates cars, people movers and vans – all on the same test stand.

PROCESS-OPTIMISED – NO VEHICLE FIXATION.

The patented technology holds the vehicle centred on the test stand – with no need for tension straps or extra fixations.

COMPLETE ADAS FUNCTION TEST.

Tests the entire ADAS function chain – in line with current European type approval directives for modern vehicles.

REPRODUCIBLE RESULTS. REALISTIC CONDITIONS.

Tests essential ADAS functions under controlled conditions – delivering reliable measurements, test after test.

TIMING

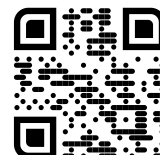
Q3 2026
INITIAL DEPLOYMENT
WITH PILOT CUSTOMERS

Q3 2027
INTEGRATION OF MAIA
AND LIGHT TESTING

2029
SOP



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