



EUROAMERICA
TEST AND MEASUREMENT SOLUTIONS

ADDITIUM

Full Scale Crash Test Facility

State-of-the-art Full-Scale Crash Test Facility to perform different types of tests such as: Frontal, Side, Rear, Car-to-Car, Low Speed / Bumper, Oblique, Small Overlap, Roller, etc.

- Propulsion & Guidance System
- Key Civil Works Design
- Filming Pits
- Movable Impact Block / Fixed Impact Block
- Moveable Deformable Barriers
- Auxiliary Fixtures
- Lighting Systems (LED or HMI)
- Training





Additional Information

Propulsion System

The propulsion system for crash test facilities is based on an AC Motor + Drive system with Direct Torque Control (DTC) technology.

Guidance System & Filming Pits – New Nano Rail

ADDITIUM has the smallest rail and smallest towing trolley on the market. The Nano Rail is the perfect solution to have an optimum view of the vehicle from underneath during the crash. ADDITIUM offers different configurations of filming pits (rectangular, octagonal...) for single or multiple tracks crash test facilities.

Moveable or Fixed Impact Block

To increase the productivity and optimize the space of the facility, ADDITIUM includes in the offer a Moveable Impact Block with up to (4) operational faces.

Control System & Instrumentation

The facility is controlled by real-time hardware that provides a reliable and very low latency speed control loop. EtherCAT technology is adopted as a deterministic communication field bus, being able to precisely synchronize and activate different subsystems and auxiliary equipment along the facility.

Moveable Deformable Barrier (MDB) & Auxiliary Barriers

Moveable Deformable Barriers: ECE R95, ECE R32, IIHS, AE-MDB, FMVSS 214 / 301

Auxiliary Barriers for: Offset, Rounded Offset, Pole, Angle, Small Overlap, RCAR...