

Airbag Test Systems

PRESENTATION

VTI is a private engineering company, founded in 2000, that focus its activities mainly on designing and manufacturing Customized Test Systems for R&D and certification.

As an active system for Safety in a car, airbags modules are tested to assure its proper behaviour under its design specifications.

Airbag deployment system (ADS)

VTI designs and manufactures Airbag Deployment Systems, according to customer needs or technical specifications, to perform airbag tests (IPs, curtain, seats, steering...).

The VTI ADS Control System is able to interface with other systems of the test room that could be involved in airbag tests such as test room safety elements, such as high speed cameras (a trigger signal, synchronized with the airbag firing signal, could be provided per camera), lighting system, climatic chamber, etc.

The system defined is a turn-key-project that integrates all necessary elements to perform a complete and functional system that allows the user to do the tests productively.



Aging test current monitoring equipment (ATCME)

It's a current monitoring system (measurement and registration) during an aging test of the airbag.

The control system is included in a rack with all necessary elements, and a laptop.

The equipment developed by VTI includes the following features: dedicated software (test pulses setup, display of results and test data register), squib resistance measurement, and analog inputs for voltage signals and temperature sensors.

