

SBA 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.

The VTI Seat Belt Anchorage (SBA) test system is able to perform quasi-static tests specified in Regulations such as ECE R14, 16, 17, 80 & 107; FMVSS 210, 207 & 222; ISO 10542 and Directive 76/115/EEC.

SBA Hardware

The hardware is based on independent hydraulic or electric actuators, allows testing of individual, two or three places seats with different positions in X and Z.

These systems gives the possibility to test, simultaneously, up to nine seats anchorages, at a wide range of positions, with a speed actuator from 100 mm/s to 300 mm/s.

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.

SBA Software

The test is performed automatically, recording the displacement-time and force-time records.

The control system is based in a Digital VTI Controller, it works with its own real-time operating system, is capable to achieve the force set points with great accuracy and repeatability and includes a powerful data visualization software tool: VTI View.



Anthropomorphic Elements



Lap Belt Body Block



Shoulder Belt Body Block



Applications	Seat Belt Anchorages tests according to ECE R14 and FMVSS210
Drive system	Servo-hydraulic or electric
Number of seats	1, 2 or 3
Versatility	Up to 9 seat anchorages
Dynamic Force	16 / 30 kN
Stroke	800 mm

Vázquez y Torres Ingeniería S.L.

c/Margarita Salas, 28
28918 Leganés (SPAIN)

Ph.: +34 91 644 81 71
Fax: +34 91 644 81 72

www.vtis.com - info@vtis.com