

Seat & Head Restraint

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.

VTI Seat & Head Restraint test system is able to perform static load tests as performance described in Regulations ECE R17, ECE R25.

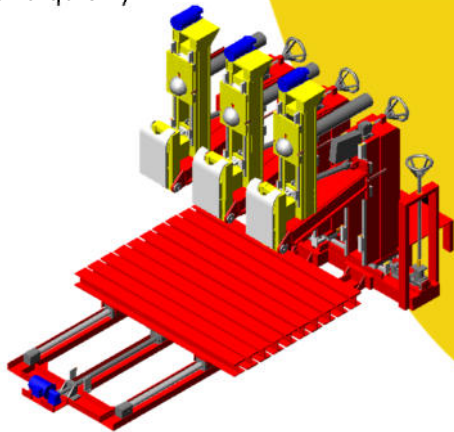
Hardware

The hardware is based on three independent modules. This allows testing of individual, 2 or 3 seater with different H point positions.

Great regulation ability that allows easy configuration of R-H points, even allowing the testing of asymmetric three seated bench seats and with the central place moved ahead.

Up to 6 degrees of freedom per seater can be configured by the user.

A specimen-holder moving table allows the placement of seats and/or the section of vehicle to be tested, easily and quickly.



Software

The test is performed automatically, recording the torque-time, force-time and head penetration-time records.

The control system can export data in standard formats, for carrying out automatic reports using Excel, etc ...

Different levels of motorization and automation let the user choose an appropriated system according to the needs of the customer.

Applications	Back and headrest tests according to ECE R17
Drive system	Servo-hydraulic or servo-electric
Nº Seats	1, 2 or 3 seater configurations (up to 3 simultaneously)
Movements	X, Y and Z, \emptyset Z head X head

