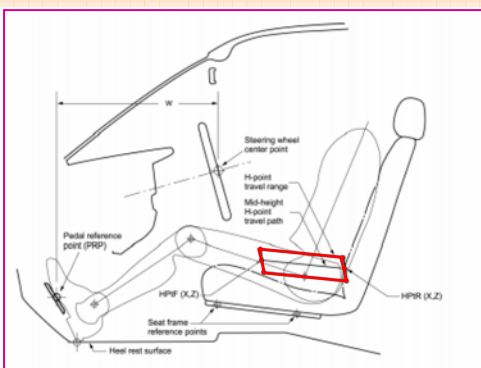


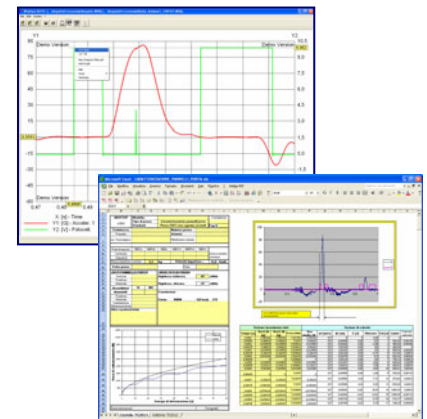
**T. B. 1884    🖱    Ram Impactor - Car Door inside Panel testing**

This Bench is a model developed for crash & impact test of parts of vehicles. This bench applies to the simulation test about impact of human body against the car door inside panel; it is done in order to verify that the panel is responding to the applicable safety rules.



Impacts to the inside panel refers to the **H-Point** that is defined under the vehicle design. 3 tests with different body part can be conducted (thorax, abdomen and pelvis).

The bench can make all the tests simply changing the body part simulator on the impactor truck.



The impactor truck, that carry on a part body simulator, is launched against the panel under test at speed of 30 km/h then the impact effects are recorded by means of two high precision accelerometers.

Ram Weight = 4.3 kg (9.48 lbs)  
 Ram Velocity = 30.00 km/h (18.64 mph)  
 Ram Kinetic Energy (joules) = 151.7 J