

PRESS NEWS



Deform invests in vehicle protection – ballistic testing of armour plates

Deform is growing in hot-formed, quenched and tempered steel for protection applications.

The 11th of September 2001 made the world a less safe place. As a consequence, the market for armour plating is growing. This growth seems set to continue.

The continuous development of new and better weapons, as well as of high-technology ammunition, has started a race.

One example of this is in the automotive industry. When vehicles are to be protected, their shape has to be retained while keeping weight to a minimum. The vehicle must still have adequate acceleration to cope with both normal traffic situations and rapid, emergency manoeuvres.

In collaboration with several different partners (customers and plate suppliers alike), Deform has subjected various formed products to ballistic testing in Sweden, Germany and France. The results so far have been extremely good and are already beginning to generate concrete orders for a range of formed, quenched and tempered products for protection applications.



Hans-Jürgen Thiede, Deform, examines the hits at Union Stahl's ballistics day, 14 April 2005



Pressure vessel head pressed and subjected to ballistic testing by Deform



Close-up of the hits



A Deform protection module with two different types of armour plating



Example product – wheel arch. Previously constructed from cylindrical plates that were overlapped and welded together. At Deform these can be manufactured in a single piece, thus saving weight and many metres of welding!