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Country	Germany
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PRODUCTS OR MACHINERY

Hot-formed ballistic parts

Hot-forming of armor steel HB 500 & 600 HB

Hot forming of armored steel is a process of producing pressed parts in arbitrary 3D shape, heating the steel and then cooling it down. The challenge is to obtain desired hardness during the cooling process, but on the other hand the steel should not become fragile or stressed — otherwise it can crack in case of blast or ballistic impact.

Hot-forming technology makes it possible to design components in any shape without restrictions that are applied by regular bending. Typical parts that are produced using hot-forming technology are firewalls, wheel arches, hatches, blast floors, window frames, Z and U profiles — they can be stamped as one piece without welding and bending, reducing costs and weight. Moreover, hot-forming is the only way of producing shaped components from UHH steel (600 HB and more).

Bullet-proof glass

Bullet-proof glass: top ballistic and optical quality.

AURUM Security develops and manufactures bullet-proof glass of protection levels according to CEN 1063, STANAG 4569 and GOST (Russia).

Our bullet-proof glass is produced in Europe, certified in Germany and is used in a number of industries, including automotive, aerospace, marine, building, etc. It conforms to all relevant standards for ballistic and optical properties. Our product range includes laminated flat and curved tempered glass, bulletproof glass, reflective glass, colored glass, and silk screen painted glass.

Company Profile of **AURUM Security GmbH**

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