




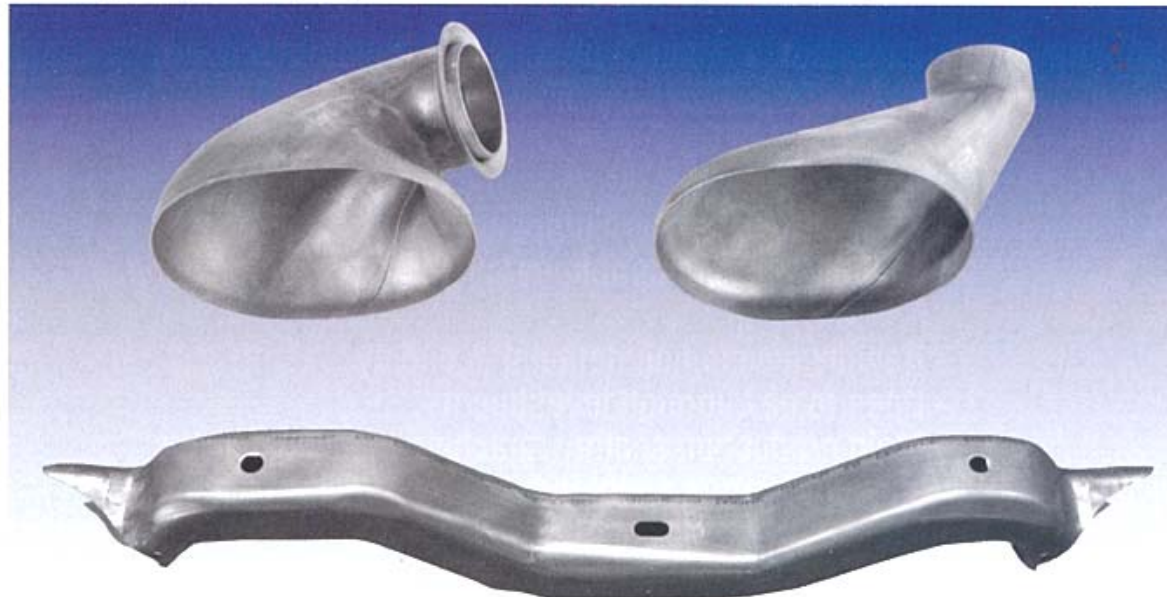
Production & Processing of Automotive Tube

The fluid solution for automotive tube manufacture

Forming tubes with water pressure is not a new idea. However, hydroforming technology has only become regarded as a mature manufacturing method in the last few years, in an almost unnoticed manner. Hydroforming currently has a remarkable presence in the market and its importance in automotive engineering is not to be underestimated.

In particular, the fields of chassis, car body and exhaust systems benefit from this technology. In terms of chassis components, the focus lies on lightweight construction. Important features are low wall thickness in tandem with high rigidity and stiffness, together with high accuracy for joining operations and avoiding a vast number of parts.

 *Salzgitter Hydroforming is specialized in the manufacture of hydroformed components*



In contrast, important factors for the exhaust sector are flow properties, utilization of available space and reduction of welding operations. All these properties can be achieved using hydroformed components.

Due to the implementation and refinement of CAE methods, such as forming simulations, the process stability and the degree of deformation of hydroforming can be significantly increased. To reach an optimal cost structure, a closed process chain is required including all relevant up- and downstream processes such as bending, mechanical forming, heat treatment and (laser) cutting.

Salzgitter Hydroforming provides such a complete process chain. The company is specialized in the manufacture of hydroformed components by using a wide range of materials, such as carbon steel, stainless steel, aluminium and copper.

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