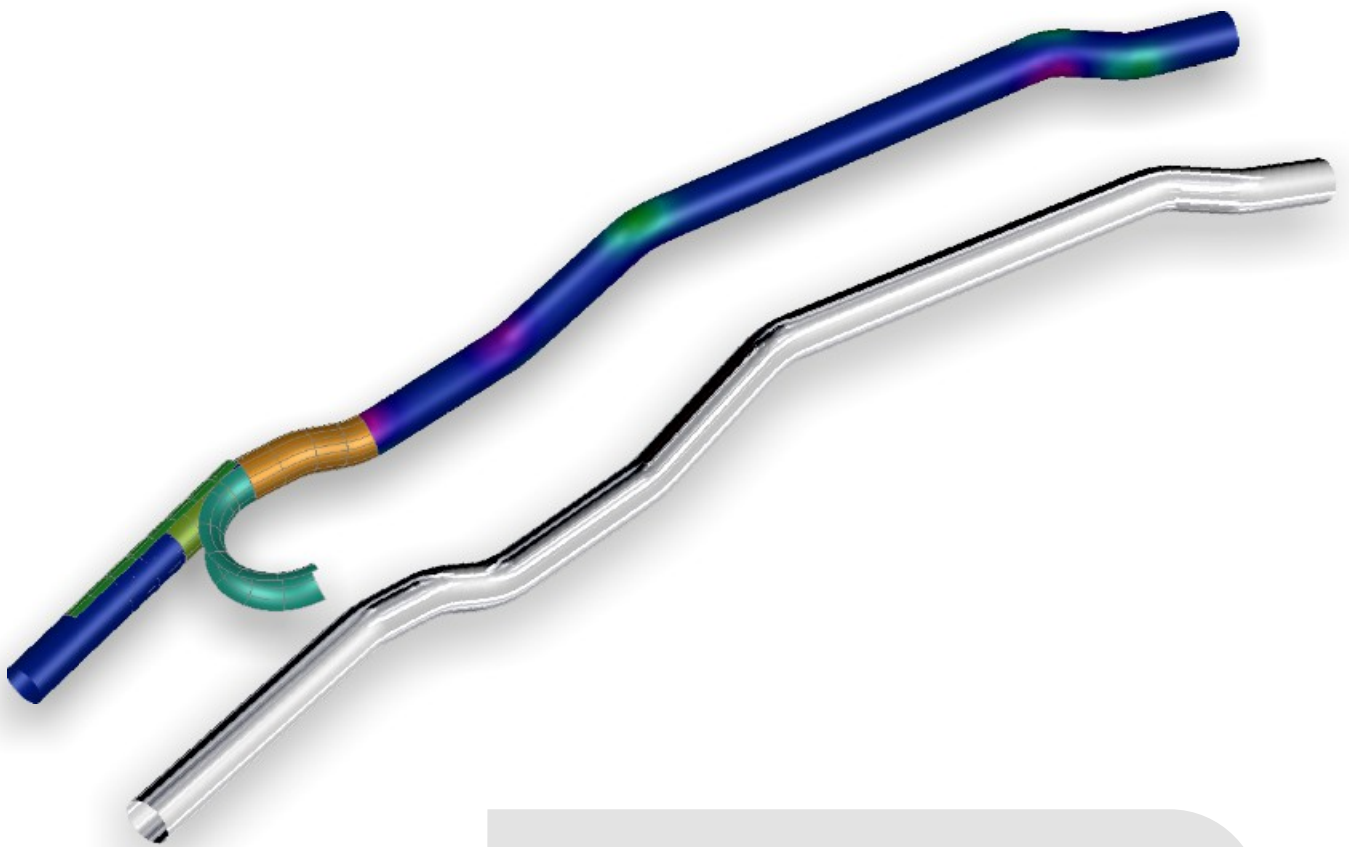


AutoForm- TubeBend

Software for Rapid Design and Simulation of Tube Bending,
Forming, and Tube End Forming Processes



- ▶ Rapid design and simulation of tubular parts
- ▶ Verification of multiple alternative concepts for quality and cost improvements
- ▶ In-depth understanding of tube bending, forming, and tube end forming processes
- ▶ Shorter development time and reduced tooling, material, and production costs
- ▶ Rapid springback compensation of tool geometries and bending lines



 **AUTOFORM**
Forming Reality

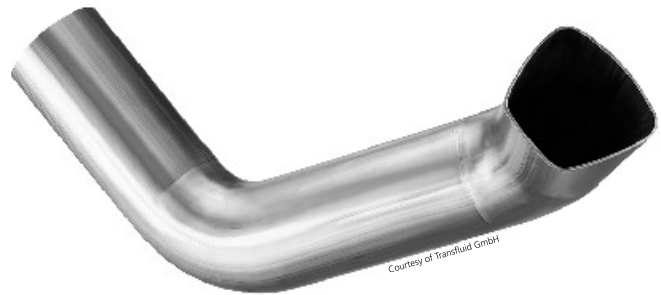
AutoForm-TubeBend

Successful Design and Simulation of Tube Bending, Forming, and Tube End Forming Processes

AutoForm-TubeBend is specially designed for the needs of tube bending companies and supports their standard processes, such as CNC rotary draw bending, press bending, and tube end forming. With AutoForm-TubeBend, users can successfully tackle all of the typical challenges they face during the tube bending and forming processes.

AutoForm-TubeBend is a highly intuitive software which allows for the rapid design and simulation of tube bending, forming, and tube end forming processes. The software allows for the fully parametric design of all the necessary tool geometries and does not require knowledge of CAD design. In particular, the tube center line and bending table can be automatically generated based on the imported part geometry.

AutoForm-TubeBend allows users to carry out comprehensive virtual tryout analyses, including bending, preforming, calibration, cutting, and tube end forming. In addition, the software allows users to simulate the springback which may arise in the actual production process.



Through the automatic springback compensation features, the necessary adjustments can be made to the tool geometry, bending line, and process parameters. Once the simulation results have been generated, users can initiate seamless data exchange to CAD software as well as tube bending or forming machines to carry out efficient production of tubular parts.

AutoForm-TubeBend is developed for engineers and tube forming experts to enable them to set up, simulate, evaluate, and optimize all aspects of the tube bending, forming, and tube end forming processes. With AutoForm-TubeBend, users are best-equipped to meet the increasing demands regarding tubular parts complexity, ever-higher part quality requirements, implementation of new materials as well as increased process complexity.



Courtesy of Transfluid GmbH

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Publication TB-1-E


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