

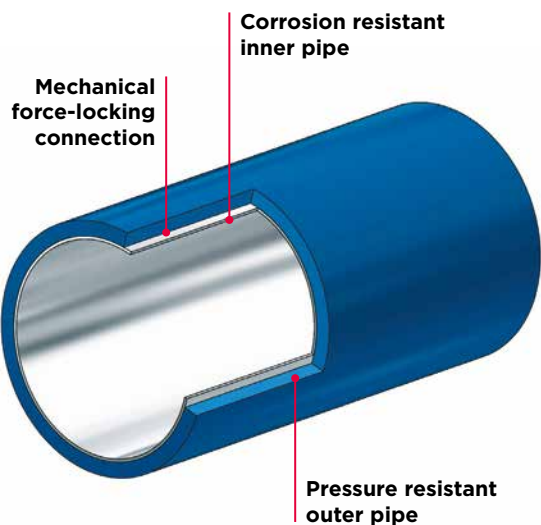


## Hydroforming cladding technology for the production of bimetal/clad pipes

For more than 30 years, AWS Schäfer has been developing and producing the world's unique technology solution for manufacturing mechanically clad steel pipes, known as bimetallic/clad pipes, for conveying highly corrosive media. Hydroforming cladding machines from AWS enable cost-efficient and flexible series production of the corrosion-resistant special pipes at the highest precision and best quality.

The process for manufacturing bimetallic pipes was patented by AWS Schäfer in 2012. Through the hydrodynamic forming process, two pipes made of different materials are mechanically joined together in a fully automated process by means of internal high-water pressure and special tools and at the same time fully calibrated. This allows a wide range of different materials of a corrosion-resistant inner pipe and a pressure-resistant outer pipe to be combined in the material selection and wall thickness for the desired application.

Thanks to the sophisticated production concept with a high degree of automation and fast cycle times as well as excellent corrosion and pressure resistance, mechanically clad pipes meet the high demands of the onshore and offshore oil and gas industry in accordance with API, ASTM, DNV or ISO standards



Schematic representation

and thus represent a cost-effective alternative to other manufacturing processes for bimetallic/clad pipes.

Take advantage of our many years of experience and the know-how from the inventor of the technology!

**Contact us!**



Here you can also find the product information on our website.

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The Pipe Technologists