

## Bending machine for pipes up to 300mm

TRANSFLUID Maschinenbau GmbH has developed and manufactured a tube bending machine that allows the fully automatic bending of highly alloyed steel tubes up to 300mm external diameter and with wall thickness up to 30mm. This solution was requested for pipes in the USA. In Houston, Texas it will be used for manufacturing pipes for offshore, shipbuilding and for the chemical industry.

For its trip to the USA, the 80-tonne, 12m-long and 3m-wide colossus was disassembled in several segments. "Out of our knowledge a cold tube bending machine of this size and in particular this

wall thickness was never built worldwide. This makes this project with a whole volume of more than US\$1mn unique in the area of the international tube bending technology," commented Ludger Bludau, managing director and founder of transfluid. Within six weeks the German company realised the special bending machine according to customer requirements.

Impressive forces are at work with the cold bending of the pipes up to 300mm in diameter. "A hydraulic drive generates for this a torque of several million Newton metres," explained Benedikt Hümmler, managing director of transfluid. An effective

CNC control that makes the fully automatic bending of tubes possible provides for optimum and efficient manufacturing processes.

transfluid has placed special value on an economic solution with the special change system of the bending tools. For the unusual tool dimensions, up to 2m diameter and 5 tonnes each, the tool changing time is less than 30 minutes.

**transfluid Maschinenbau GmbH** –  
Germany  
Email: [info@transfluid.de](mailto:info@transfluid.de)  
Website: [www.transfluid.de](http://www.transfluid.de)



Cold tube bending machine DB 60273-3A-CNC



With the special transfluid tool changing system, large tooling can be changed rapidly