**PRESS RELEASE**

**Bending brake and fuel-supply lines with supreme flexibility on three levels**

**Dengler Tube Tec unveils ERBM-LR, its new CNC single-head tube-bending machine for brake and fuel-supply lines, at Tube 2018 – Hall 5, Stand E22**

*Witten/Düsseldorf, March 8th 2018.*

**Dengler Tube Tec will be showcasing an innovative new product at Tube 2018 (Hall 5, Stand E22) with the ERBM-LR tube-bending machine. The robust automatic tube-bending machine has been developed for machining particularly complex bent parts with different tube diameters (3.2 to 12 millimetres) within a brake or fuel-supply line and tube lengths of between 150 and 2,300 millimetres. The ERBM-LR can be freely programmed on three levels and can execute both left- and right-hand bending, draw bending and roll bending at each individual bending point. All movements are performed around the stationary pipe.**

This is Dengler Tube Tec's response to demand from its customers in the automotive industry, who handle increasingly complex brake and fuel-supply lines made from steel or aluminium.‘This patented new development has enabled us to close a gap in our product range, since brake and fuel-supply lines increasingly have protective hoses with multiple pipe diameters,’ says Norman Köchig, Head of Design at Dengler Tube Tec. The CNC single-head tube-bending machine has nine NC axes and is supplied with numerous extras as standard. Customers receive a fully operational bending cell.

To implement the new operating principle of the ERBM-LR, which is protected by multiple patents, extremely high demands were placed on the development of the design and control technology. Whereas other machine concepts adjust the position of the bending starting point by advancing the pipe and in some cases even rotating it into position, with the ERBM-LR all translational and rotary positioning movements are carried out by the machine units themselves. This eliminates the need to take into account the vibration characteristics of the pipe to be bent when performing the positioning movements. The longitudinal and rotary movements can be performed at the highest possible speed – from the first bend to the last.

The new bending machine features the same control and drive concept as all the other bending machines from the specialists in tube-bending machines. The machine control, drive booster and drive motor components all come without exception from the tried and trusted product range from Bosch Rexroth. Wherever possible, all other components in the machine are also standardised and are compatible with the other bending machines.

‘Thanks to this clear policy on the use of globally available and high-quality branded components and the standardisation of the components used in all bending machine model ranges, our customers are able to maintain an extremely cost-efficient and efficient stock of spare parts,’ says Andreas Pfeiffer, Head of Engineering and Sales at Dengler Tube Tec.

In spite of the new machine’s many freely programmable functions, all the parameters have once more been accommodated in the familiar and straight-forward programming interface. This means that, regardless of the machine type that is to be operated, operators switching over to the new machine will find it takes very little to adjust to it.

‘The harmonisation of the user interface for the vast range of machine types, and with it the easy operation of our machines, is one of the most important reasons our customers give for the widespread use of the machines in pipe production,’ says Dr Ralf Sondermann, Head of Control Engineering at Dengler Tube Tec.

The new machine type can naturally also be presented on our proprietary simulation software DBOF/SIM. This powerful simulation program can be used to check the bending properties of the pipes in advance, determine the cycle times and view the required attachments. Graphic simulation of the bending process significantly increases operational availability of the ERBM-LR by Dengler Tube Tec.

**For more information:**

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