

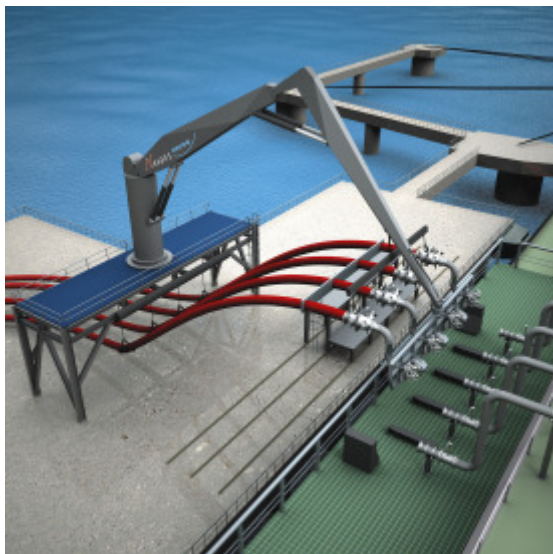


Nexans displays innovations in corrugated tube manufacture at wire China 2008

Corrugated tubes with greater diameters will make LNG terminals of the future possible

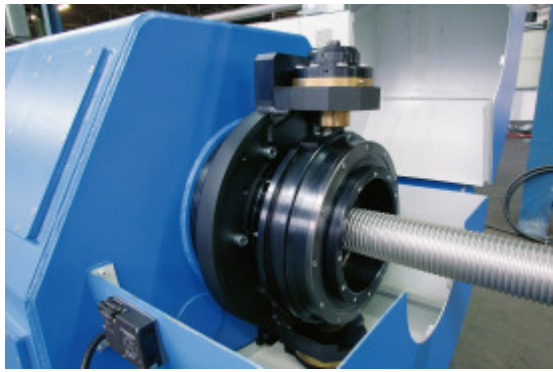
This year, Nexans Deutschland Industries GmbH & Co. KG is to launch a new machine in the UNIWEMA® (**UNI**versal **WE**lding **MA**chine) series which is capable of producing even larger corrugated tubes. Here, single and double-wall corrugated tubes are used in cases requiring a flexible, high-capacity and, if necessary, heat-insulating transport medium or secure sheathing, e.g. as mechanical protection in the implementation of media cables. The new UNIWEMA® U650 produces tubes with external diameters of up to 650 mm and wall thicknesses of up to 3 mm; the length of the corrugated tube is restricted exclusively by the transport capacities. The machine forms stainless steel tapes into tubes, welds them longitudinally and, using the corrugating tool, impresses the characteristic corrugated structure which provides flexibility. Extreme precision is provided by a powerful, hydraulic, dual-capstan drive, electronic control of the corrugating tool and the patented polyarc welding process.

For example, larger corrugated tubes can accelerate the loading of liquefied natural gas (LNG), which is transported on ships. Complex antifreeze insulation is also required in order to keep the LNG in a liquid state during transshipping at the terminal. Double-wall corrugated tubes with a vacuum insulation provide protection against the effects of heat and enable the design of mobile, joint-free handling arms (see photo). Using the larger UNIWEMA®, it is possible to produce thermally insulated tubes which can transport roughly twice as much gas in the same time as existing cables. This halves the handling time and minimises the evaporation loss.



Left:

The new machine from the UNIWEMA® series can produce corrugated tubes with an external diameter up to 650 mm. If designed as double-walled and vacuum-insulated, such tubes would make it possible to produce innovative LNG terminals with flexible handling couplings.



Left:

A Nexans UNIWEMA® (**UNI**versal **WE**lding **MA**chine, see photo) produces corrugated tubes by **forming** stainless steel **tapes** into tubes, **welding them longitudinally** and, using the corrugating tool, impressing the characteristic corrugated structure.

About Nexans Germany

Nexans Germany is one of the leading cable manufacturers in Europe. The company is offering an extensive range of high performance cables, systems, and components for the telecommunications and energy sectors, rounded off by superconducting materials and components, Cryoflex transfer systems and special machinery for the cable industry. Producing at manufacturing plants with 6.700 employees in Germany and abroad, the sales in 2006 amounts to approx. 953 Mio Euro. The full integration into the Nexans Group Nexans Germany also benefits from excellent opportunities to use the available synergies in all corporate fields, which not only applies to worldwide projects but also to research and development, the exchange of know how, and to other areas. More information on www.nexans.de

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