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Bimetal wires reduce costs and can be used for a wider variety of
applications**
- **Cadmium-free wires: High tensile strength and environmentally
friendly**

At wire Düsseldorf, you can find us at **stand B42** in **hall 09**

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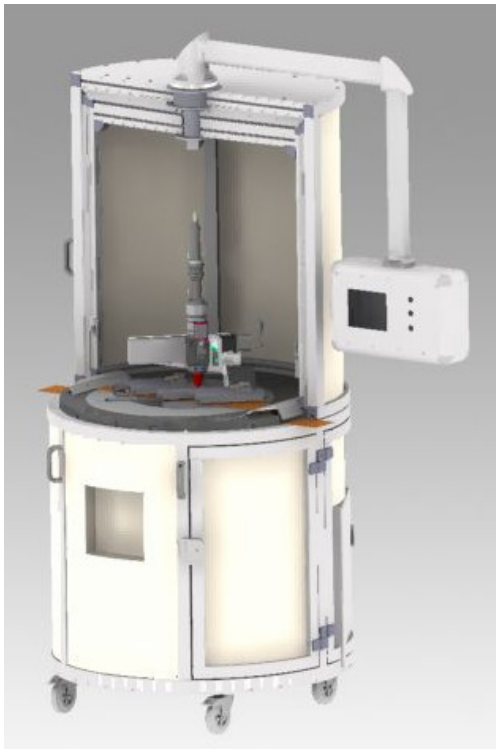
Press Release

Customised cross welding

Nexans to present its scalable semiautomatic machine for cross welding at the wire trade fair in Düsseldorf, which will take place from 12-16 April, 2010. You can find us at stand B42 in hall 09

Hanover, April 12, 2010 - The Nexans Production Lines and Technology Division team has developed a semiautomatic machine for cross welding, which can be adjusted to suit different application areas. The design engineers realised a scalable construction for this purpose, which can, in addition, be equipped with diverse welding technologies from TIG welding (with DC or AC) right up to modern laser welding. The unit is thus suitable for the processing of aluminium, copper, steel, stainless steel and diverse alloys with a strip width of up to 120 mm.

Equipped with a laser, the semiautomatic machine allows – depending on the material – the welding of extremely thin strip materials. The strip is manually fed and clamped, it is then subsequently fully automatically cut and cross welded. The automatic welding machine has a workpiece carrier, which can be turned through 45° for setting the welding angle.



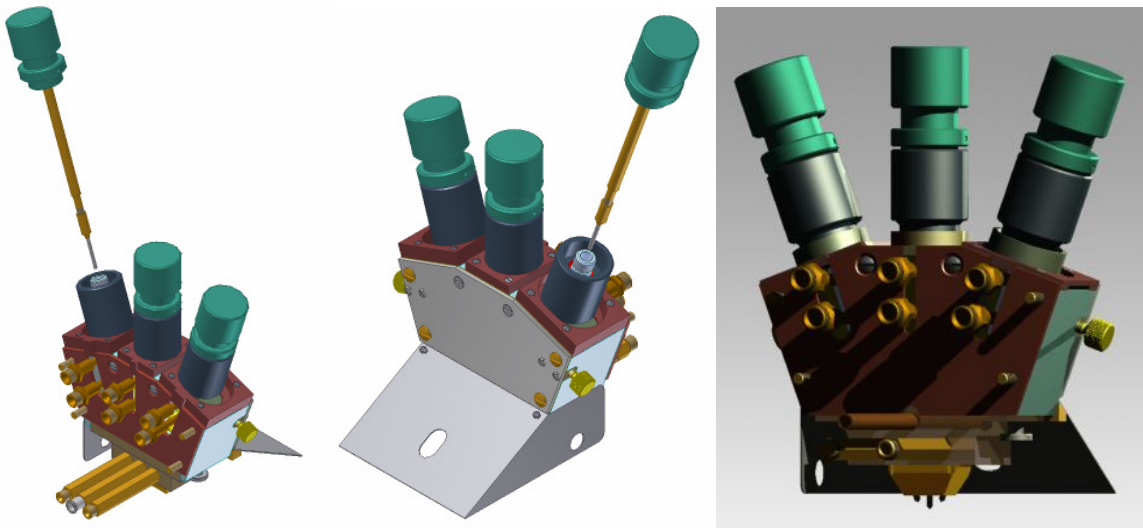
Dimension and configuration acc. to customer requirements: Scalable construction, different equipment as well as the option to select between different welding procedures allow you to adjust the Nexans semiautomatic machine to suit the respective requirements.

Speed up your welding processes with the Polyarc® toploader

Nexans to present its newly developed toploader for TIG welding at the wire trade fair in Düsseldorf, which will take place from 12-16 April, 2010. You can find us at stand B42 in hall 09

Hanover, April 12, 2010 – The Nexans Production Lines and Technology Division presents a new unit for TIG welding with the Polyarc® toploader. In comparison with previous machines, it offers greater output so that you can either process thicker material at the same speed or increase the feed speed. The user benefits from a higher throughput and quick amortisation. In addition, the innovative welding torch design ensures for an interruption-free, neat seam. The electrodes can be easily replaced at the top of the welding torch head so that downtimes can be reduced to a minimum.

The equipment of the Polyarc toploader includes the welding torch unit with three combined welding torches, an adjustable holder for each electrode and a common control system for all three welding torches. A common inert gas supply (instead of three lines) is also possible. The rectifier, water and gas supply can all be connected in a quick and uncomplicated manner.



Three welding torches, one unit: The three welding torches share the one control system and have a common inert gas supply. The process is, for all intents and purposes, controlled from the one source, something which allows neat and interruption-free seams.



Press Release

Nexans micro alloys for “hot applications”

Nexans to present its copper-silver alloys for high-performance machines at the wire trade fair in Düsseldorf, which will take place from 12-16 April, 2010. You can find us at stand B42 in hall 09

Bramsche/Neunburg vorm Wald, April 12, 2010 – Micro alloys with silver are used for “hot applications”. The collectors and commutators installed in electric motors are, for example, made from silver-alloyed copper. The overall machine can become extremely hot due to its compact design and high current densities. The temperatures, which occur in high-performance machines, can literally soften the copper: If copper exceeds the recrystallisation temperature, the material becomes soft and can easily deform. Silver alloys ensure that the unit remains dimensionally stable at all times, also in the case of heating due to high loading. It also retains its original strength after cooling down. For this reason, Nexans Deutschland GmbH offers copper alloys with silver – so-called micro alloys – which have a higher recrystallisation temperature. The oxygen-free copper is optimised, in the 8 to 16 mm range, for the production of profiles in Conform systems.

Visitors to the wire trade fair in Düsseldorf, 12-16 April, can learn more about the advantages of these micro alloys at stand B42 in hall 09. The Nexans experts will also be happy to explain the properties of other in-house copper raw materials to you there.



Press Release

**Nexans offers viable solutions in light of the current copper prices:
Bimetal wires reduce costs and can be used for a wider variety of
applications**

Nexans to present a selection of its exclusive, blank wires at the wire trade fair in Düsseldorf, which will take place from 12-16 April, 2010. You can find us at stand B42 in hall 09

Bramsche/Neunburg vorm Wald, April 12, 2010 – Thanks to its bimetal wires, Nexans Deutschland GmbH is relieving users from the cost pressure associated with copper: The amount of copper required is reduced in the case of wires made from copper-clad steel (CCS) or aluminium (CCA). This reduces the material costs but not the quality. Quite the contrary in fact: Steel or aluminium cores often offer advantages. Aluminium, for example, is associated with a weight advantage, while steel is associated with wires with a high tensile strength. The fact that the electrical conductivity of the core is not as high does not play a role in many applications: High-frequency currents, in any case, tend to use the exterior area of the wire due to the skin effect so that the core conductance is not very important. The special features of the CC wires are indeed often necessary: Data lines with high mechanical loading, for example, benefit from the steel cores, which give them greater tensile strength. The bimetal connection cables of a towing vehicle (truck) can cope better with the permanent mechanical loading than copper solutions of the same diameter. In addition, the weight saving plays a decisive role in the aircraft industry. CCA reduces the line weight as well as fuel consumption and at the same time offers a cost reduction potential.

Peter Forkert, Director Sales & Marketing for Bare Conductors at Nexans Deutschland GmbH: "CCS and CCA wires have also been in high demand in recent years due to the high copper prices. Many users have only become aware of the advantages, which the special wires have to offer, during the course of the price negotiations. Decisive in terms of the purchase have, in most cases, however, been the special mechanical properties of these materials."



Press Release

**Cadmium-free wires:
High tensile strength and environmentally friendly**

Nexans to present its range of Cd-free wires at the wire trade fair in Düsseldorf, which will take place from 12-16 April, 2010. You can find us at stand B42 in hall 09

Bramsche/Neunburg vorm Wald, April 12, 2010 - Nexans Deutschland GmbH is offering users, who require a material with a particularly high mechanical loadability, an environmentally friendly solution with its wires based on cadmium-free copper alloys. Nexans markets qualities in Germany, which withstand high mechanical loading and satisfy European regulations – the use of cadmium in wires and cables has been banned in the EU. Due to the property mix of the copper alloys, they are used, for example, in the automotive industry or by the military – both examples of application areas, in which a long service life, reliability and uncompromising safety rank among the primary objectives.

Nexans takes into account the individual requirements by means of different diameters. Similar to standard copper wires, Cd-free alloys are also available in different cross-sections down to a wire diameter of 0.05 mm. In this connection, the quality processes and machines of the Nexans plants in Bramsche and Neunburg vorm Wald guarantee consistently high quality from the first to the last metre of every batch.

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 6.240 employees in Germany and abroad, the sales in 2008 amounts to approx. 936 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.

Additional information can be found at www.nexans.de

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