

Poppe + Potthoff GmbH  
Dammstraße 17  
33824 Werther (Germany)

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## PRESS INFORMATION

### **90 years of expertise in precision**

**Poppe + Potthoff presents its comprehensive capabilities in precision steel tubes, high-pressure components and special machinery at Tube 2018 in Hall 3, stand B01**

**When it comes to tube and metal processing beyond the standard requirements, Poppe + Potthoff has been supplying the right solutions since 1928. The expert for industrial and high-pressure applications is a partner for innovative customers all over the world. At Tube (April 16-20, 2018), the company with its headquarters and technology center in Werther, Westphalia, Germany, will be presenting its special capabilities with tubes, customized tubular components and testing equipment.**

Steel tubes – seamless or welded cold drawn – are suitable for a variety of applications. The choice of the appropriate material and design as well as high-precision processing and finishing make it a component with ideal properties to meet specific requirements. Poppe + Potthoff produces in narrow tolerances up to group h8/H9 and h9/H8. The physical and mechanical properties are thereby precisely adjusted to the application.

### **Tubes with versatile configuration options**

Poppe + Potthoff processes more than 50 different structural steel alloys, case-hardening steels, heat treatable steels as well as special steels. These also include the proprietary high-strength steels PP600, PP1000 and PP1100 for high-pressure applications such as hydraulic aggregates, common rails and injection lines for liquid and gaseous fuels (i.e. diesel, gasoline, LNG) at up to 3000 bar and beyond.

The tubes can be designed in a variety of shapes, both round or profiled (e.g. 3- to 8-sided profile, elliptical and flat oval tubes, round exterior profile – multi-sided interior,

round interior profile – multi-sided exterior, tooth profiles, tubes with variable thickness or double walls). Supplied in the required annealing condition, the products come cut in fixed lengths, in manufactured lengths from 4 to 7 m or coiled lengths of up to 350 m.

### **Inhouse engineering, refining and testing**

As a partner for innovation, Poppe + Potthoff has been expanding its competences over decades. New product designs built on tubular components are engineered and validated for customers at the group's Technology Center. To ensure seamless reproducibility, prototypes are processed and tested on the same equipment as used for serial production at the facilities in Werther, Germany and Ajka, Hungary.

Special machines for autofrettage, automatic quality control and assembly as well as density, functionality and endurance testing are developed by Poppe + Potthoff Maschinenbau. The expert for high-pressure applications and testing equipment ensures that components (e.g. valves, hollow parts made of metal or plastic) and systems (e.g. hydraulic, pneumatic, fuel injection) provide superior reliability and safety.

### **Precision, innovation and flexibility**

With over 1500 employees at 17 locations, the Poppe + Potthoff Group forms a network of specialists driven by the core values precision, innovation and flexibility. 90 years of technological expertise and a highly flexible production at the cutting edge of Industry 4.0 make Poppe + Potthoff a preferred partner for the automotive and utility vehicle industries, for marine applications and mechanical engineering.

To find out more, visit Tube 2018 in Düsseldorf, Hall 3, stand B01, and [www.poppe-potthoff.com](http://www.poppe-potthoff.com)

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**Photos:**

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Fig. 1: Versatilely applicable: Poppe + Potthoff manufactures precision steel tubes in various materials, shapes and dimensions.



Fig. 2: Common rail subsystems by Poppe + Potthoff withstand highest pressures.



Fig. 3: This test stand by Poppe + Potthoff Maschinenbau produces strong impulses up to 6,000 bar with a frequency between 1 and 30 Hz to check the durability and strength of components under pulsating inner pressure.

Source: Poppe + Potthoff; Download in print quality: [Download ZIP](#)

**Poppe + Potthoff** stands for precision. The group develops and manufactures customer-specific steel tubes, common rail subsystems, high pressure tubes, precision components, line shafts, couplings as well as specialized test stands and other machines. Poppe + Potthoff enables highly sophisticated solutions in automotive engineering and shipbuilding, machine tool building and mechanical engineering as well as other industries. The family-owned enterprise with its headquarters and technology center in Werther (Germany) was founded in 1928 and has more than 1,500 employees. Poppe + Potthoff is active in more than 50 countries with its subsidiaries and long-term partners – always in close contact with its customers. [www.poppe-potthoff.com](http://www.poppe-potthoff.com)

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