

Ensuring the durability of casting and steel components

- ✓ *July 2010: Hegewald & Peschke Meß- und Prüftechnik delivers heavy loads universal testing machine to the Werkstoffprüflabor Dr.-Ing. F. Wiewecke*
- ✓ *Service for the metal industry: Class 1 or 0.5 high-precision pressure and tensile tests as well as weld bead bend tests with up to 1000 kN*
- ✓ *Standardised: Tests according to the new standard DIN EN ISO 6892-1 for tensile tests on metallic materials*

Nossen, July 29th, 2010 – The Hegewald & Peschke Meß- und Prüftechnik GmbH has delivered a new heavy loads universal testing machine of the type Inspekt 1000-H to the Werkstoffprüflabor und Sachverständigenbüro (materials test laboratory and expert office) Dr.-Ing. F. Wiewecke. With the new machine, the Hessian specialist for material and component testing can now expand its range of services for metallic components. The Inspekt 1000-H can realise for instance weld bead bend tests according to SEP 1390 or pressure and tensile tests with a test load of up to 1000 kN (100 tons) at an accuracy class of 1 or 0.5. This makes the renowned Werkstoffprüflabor Dr. Wiewecke one of only a few private service providers in Europe that are able to offer static tests at these heavy loads.

The new services of Werkstoffprüflabor Dr. Wiewecke

With the new heavy loads universal testing machine the Werkstoffprüflabor und Sachverständigenbüro Dr.-Ing. F. Wiewecke can now expand its range of services. The high loads are necessary, for example, for the testing of components used in machine and vehicle construction.

Details on the universal testing machine Inspekt 1000-H

The hydraulic universal testing machines of the series Inspekt H have been designed especially for employment in the metal and building materials industries because they generally require heavy loads. In order to ensure quick and efficient working with the machine, the Inspekt-H has been equipped with two test rooms. This allows for tensile, pressure and bending tests without long changeover times.

Press release

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Press contact:

Daylight PR
Stefan Lange
☎: +49(0)351 / 563 413 00
@: stefan.lange@daylight-pr.com

Press photos:

The universal testing machine Inspekt 1000-H in the Werkstoffprüflabor Dr.-Ing. F. Wiewecke:



The universal testing machine Inspekt 1000-H performing a bending test on a welded specimen with a nominal thickness of 50 mm:



These photos have been approved for press releases concerning the Hegewald & Peschke GmbH.

You can download this press release with the photos from:

www.hegewald-peschke.de/aktuell/pressepublikationen/publikationen.html

www.faktendienst.de

The hydraulic universal testing machine Inspekt 1000-H is equipped with a motor-adjustable loading crosshead. It allows for quick adjustments of the test room height for different specimen geometries. Additionally, the upper crosshead can be height-adjusted mechanically in order to enlarge the upper test room for specimens with great lengths. Moreover, the model Inspekt 1000 H-F is equipped with hydraulic grips integrated in the loading crosshead, which allows for safe clamping even when high loads are applied.

The load measuring is done by a high-precision pressure sensor, which is integrated in the hydraulic circuit. According to DIN EN ISO 7500, it reaches an accuracy class of 1 in the range of 0.4 to 100 percent of the nominal load. If necessary, it is also possible to reach an accuracy class of 0.5.

Of course, the universal testing machine Inspekt 1000-H accords to the new standard DIN EN ISO 6892-1 for tensile tests on metallic materials. The elongation rate required in this standard can be reached with the help of the testing software LabMaster, because the controller of the Inspekt 1000-H has been developed especially for extension-controlled movements. This function is a standard for all material testing machines of the Hegewald & Peschke GmbH. Thus, the Saxon company is well-equipped for the challenges of the metal industry.

About Hegewald & Peschke Meß- und Prueftechnik GmbH

The measuring and testing technology specialists are based in Nossen, near Dresden. Since 1990, the company has been developing, manufacturing and selling high-quality machines, components and software solutions for testing raw materials, constructional elements and components. These include universal testing machines, hardness testing machines, test stands for furniture and constructional elements, as well as various length measurement devices for industry and research. The company, with 50 employees and various sales offices throughout Germany, also provides various measuring and testing services and retrofitting for universal testing machines. The design and software development divisions at Hegewald & Peschke maintain close cooperation with universities and research institutes (such as Fraunhofer) in order to ensure that the company's products remain at the cutting-edge of technology. Hegewald & Peschke is certified according to ISO 9001 and has its own DKD calibration laboratory. **For further information about Hegewald & Peschke Meß- und Prueftechnik GmbH, please refer to the company's website: www.hegewald-peschke.com**

About the Werkstoffprüflabor und Sachverständigenbüro Dr.-Ing. F. Wiewecke

The Prüflabor Dr. Wiewecke was founded in 1990 and accredited in 1997. It is a renowned specialist for destructive and non-destructive material and component testing, as well as for damage analyses and corrosion tests. Well-known companies from around the globe trust in the testing services of the Hessian experts. Additionally, Dr. Wiewecke is working as publically appointed and sworn expert in the fields of material and component testing for vehicle and machine construction, and for corrosion tests. And Dr. Wiewecke is a welding expert. The laboratory also offers training for material testers (training time max. 3.5 years). **For further information about Werkstoffprüflabor Dr. Wiewecke, please refer to the company's website: <http://dr-wiewecke.de>.**

Contacts

Readers and customers:

Hegewald & Peschke Meß- und Prüftechnik GmbH
Dipl.-Ing. Volker Peschke
Business Manager

Am Gründchen 1
01683 Nossen/Sa.
Germany
Phone: +49 (0) 352 42 / 445 10
Fax: +49 (0) 352 42 / 445 11
Email: info@hegewald-peschke.de
Web: www.hegewald-peschke.de

Werkstoffprüflabor Dr. Wiewecke
Dr.- Ing. F. Wiewecke

Crumbacher Straße 54a
34277 Fuldabrück-Bergshausen
Phone: +49 (0)561 / 9582 783 / -84 (central)
Fax: +49 (0)561 / 9582 785
Email: werkstoffprueflabor@dr-wiewecke.de
Eeb: <http://dr-wiewecke.de>

Press:

Daylight Public Relations International
Stefan Lange, M. A.
Director

Ostra-Allee 35
01067 Dresden
Phone: +49 (0)351 / 563 413 00
Fax: +49 (0)351 / 563 413 09
Email: stefan.lange@daylight-pr.com
Web: www.daylight-pr.com