



Press release for Automotive Testing Expo 2009
2 April 2009

Solutions for constant temperatures or complex temperature profile

SINGLE provides high-performance temperature control of test benches for vehicle technology applications

Test benches are used for intense checks on engines, heat exchangers and many other vehicle components. This requires liquid media with constant or complex temperature profiles. SINGLE Temperiertechnik GmbH of Hochdorf/Germany specialises in the development and production of high-performance temperature control technology for these applications. Recently, the specialist successfully completed several projects for renowned suppliers to the automotive industry based in the vicinity of Stuttgart/Germany. Following these positive results, SINGLE decided to step up its activities in the test bench market. For the first time, SINGLE will be showing its product range at the Testing Expo Europe trade show, which will take place from 16 until 18 June 2009 in Stuttgart.

SINGLE temperature control technology operates with liquid media with a wide performance range and maximum temperatures of between -40°C and +350°C. These liquid media help maintain and precisely control constant temperatures or specific temperature profiles at the test benches. Temperature control systems control the media temperature, the flow and/or operating pressure and create realistic conditions involving serial operation or excessive loads for safety checks. The systems are integrated into the customer's central control unit via bus connection.

Portfolio with a wide range of temperature control and cooling technology

Thanks to in-house engineering and production, SINGLE provides tailor-made temperature control technology to suit every customer requirement. The specialist's portfolio offers a wide range of temperature control and cooling systems for a variety of applications. The STW, STO and SHK series are ideal for the temperature control of test benches. The systems of the STW series are perfectly suitable for temperature control, operating with pressurised water at temperatures of up to 200°C, while STO systems work with heat-transfer oil at temperatures of up to 350°C. The SHK series is comprised of combined heating/cooling units with a compression cycle for independent cooling at a maximum pressurised water temperature of 160°C.

SINGLE has been developing, producing and selling high-performance temperature control units and systems to plastics processors and manufactures of plastics processing machinery, as well as to customers from the die casting, chemical, pharmaceutical, metal plating and food production industries. SINGLE is reputed to be a leading provider of temperature control technology in the market and is one of the leading suppliers of this technology in Europe. At its

facility in Hochdorf near Stuttgart/Germany, SINGLE produces more than 5,000 temperature control and cooling systems every year.

**SINGLE at the Automotive Testing Expo Europe in Stuttgart/Germany:
hall 1, stand 1268.**



SINGLE's STW system for temperature control of pressurised water with temperatures of up to 200°C and a heating capacity of 48 kW. This system offers many other options.

*Photo by SINGLE
Temperiertechnik GmbH,
Hochdorf/Germany*



Combined heating/cooling system from SINGLE's SHK series with compression cycle for independent cooling and a maximum pressurised water temperature of 160°C

*Photo by SINGLE
Temperiertechnik GmbH,
Hochdorf/Germany*

SINGLE in profile

SINGLE has been developing, producing and selling high-performance temperature control systems for more than 40 years. The SINGLE product portfolio consists of water- and oil-operated temperature control units, heat transfer units, water-to-water chillers, as well as customized series and solutions. SINGLE uses only high-quality components and materials. Long-standing customers testify to the ease-of-use and the reliable operation of SINGLE units even under high loads.

In addition to plastics processors and manufacturers of plastics processing machines, SINGLE caters to customers from the die casting, chemical and pharmaceutical industry as well as to the metal plating and food production segment.



The company works with an international network of sales and service points. Services and after-sales support on all temperature-control related problems, training, commissioning and on-site training complete SINGLE's portfolio. SINGLE is certified to EN ISO 9001:2000-12 certificate, has technology and manufacturer certification that meet the European Pressure Equipment Directive (PED) and complies with standards such as UL and regional directives to CSA and GOST.

The company, which employs 110 people at its facility in Hochdorf near Stuttgart, has been a member of Looser Holding AG of Arbon/Switzerland since 2006.

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