

### **LAUDA procures specialist in thermo-electric thermostating**

*Lauda-Königshofen, Sept. 20, 2014* - With the acquisition of Noah Precision, the global leader in the manufacture of constant temperature equipment, systems and measuring instruments has landed a strategic coup. "Over the last few years, we have come to recognize the increasing importance of thermo-electric constant temperature control," explains LAUDA's managing director, Dr. Gunther Wobser, "and we see large growth potential in the area of this thermostating technology."

LAUDA-Noah, as is the name of the newest LAUDA subsidiary, develops and produces thermostating equipment whose functionality is based on the so-called Peltier effect. The distinguishing features of these devices are their compact size and low weight. Since the thermostating is generated by sending a current through a semi-conductor, simply reversing the polarity of the electric current direction means that both heating and cooling are possible in the smallest of spaces. In addition, the thermo-electric constant temperature equipment does not require any refrigerants, some of which can be damaging to the environment or combustible.

"When it comes to cooling tasks, either thermo-electric thermostating or compressor cooling can be advantageous, depending on the requirement of the application," says Dr. Gunther Wobser. In applications in particular, Peltier technology offers great advantages in cases where thermostating close to room temperature is required and where the volumes to be thermostated are small. Applications for this can be found, for example, in semi-conductor technology or in the use of analytical systems.

With the purchase of the company with locations in the states of Washington and California, LAUDA is also building on its presence in the United States, an important sales market for the thermostating specialist. The location of Morgan Hill in Silicon Valley will be used as the service support point for the LAUDA Group on the west coast. This lets LAUDA be even closer to its customers on the large growth market that is the USA.

For Noah Precision, its incorporation into the LAUDA Group is an important step in its future development. "We are proud to now be a part of the successful LAUDA Group," says Peter Adams, president of the specialist for thermo-electric thermostating. "Our affiliation with LAUDA now means that we have access to a global sales and distribution network and can achieve great success in the coming years."

By adding Peltier devices to its product range of constant temperature equipment, heating and cooling systems and measuring instruments, the global market leader LAUDA can now offer its customers the optimum solution tailored specifically to the requirements of their applications. The new Peltier products will also provide great support to the OEM department of LAUDA, which was only set up in January of this year. With its capacity for development, it can react promptly to customer requirements, thereby creating individual customer solutions. With the acquisition of Noah Precision, LAUDA once again proves its pioneering role when it comes to "innovative thermostating solutions".

**Picture:** Dr. Gunther Wobser (left) and Peter Adams see large growth potential in the area of thermo-electric thermostating technology.

With over 400 employees, over EUR 60 million turnover and eight foreign sales offices, we here at LAUDA are the leading global manufacturer of innovative constant temperature control equipment and systems for research, application technology and production as well as high-quality measuring instruments. Thanks to its 60 years of experience and unique product range from compact lab thermostats to industrial circulation chillers to customer-specific heating and cooling systems with over 400 kilowatts of cooling power, LAUDA is the only company in the world able to provide its in excess of 10,000 clients with the optimum temperature down the entire value-creation chain.

LAUDA quality products keep temperatures up to an impressive 5 thousandth °C constant and can perform targeted adjustments in the range from -100 to 400°C. Through active cooling or warming, production processes are accelerated or, indeed, made possible in the first place. In such cases, LAUDA, for example, replaces the uneconomical mains-water cooling with environmentally friendly and cost-efficient devices or, alternatively, uses existing forms of primary energy such as thermal discharge. LAUDA measuring instruments determine the surface tension, tension limit and viscosity of liquids precisely.

As a highly specialized niche provider, LAUDA ranks either first or second in almost all future-oriented sectors. In the semi-conductor industry, all the renowned manufacturers and suppliers place their trust in LAUDA thermostats and heating and cooling systems. LAUDA quality products also enable both the research and mass production of vital medicines. In the growing medical technology market, circulation chillers made by LAUDA provide cooling to patients and guarantee safe open-heart surgery. LAUDA industrial circulation chillers provide reliable and cost effective cooling for printing machines, injection molding plants and laser processing machines equipment. Further principle applications include material inspection, biotechnology and the cooling of laboratory instruments and machines. LAUDA thermostats are, naturally, also used in the measuring instruments manufactured by us. For example, in order to determine the viscosity of aviation fuel under real conditions at 10,000-meter altitude, the sample is cooled down to -45 °C in the laboratory.

With numerous innovations and permanent investment, LAUDA is consistently building on its outstanding market position and growing both on its main European market as well as overseas.

**LAUDA – The right temperature worldwide**

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