PRESS RELEASE

Exhibition

Laser World 2025: technotrans showcases futureproof cooling systems with R290 and flexible OEM solutions

- Expansion of the PRO300.chiller series with natural refrigerant
- Compact and flexible: Peltier systems and p1000/24V liquid cooling units as integrable OEM assemblies
- Customised solutions for high purity requirements in the semiconductor industry

Munich/Baden-Baden, 6 April 2025 – At this year's Laser World of Photonics, technotrans will present its comprehensive portfolio of thermal management solutions for laser applications in medical technology. The highlight of the trade fair presentation is the extended PRO300.chiller series for 19-inch rack systems. These systems use the environmentally friendly refrigerant R290 and offer users a future-proof solution in view of tightening regulations in Europe and the USA. In addition, the company will showcase its precise Peltier coolers as well as p1000/24V liquid cooling units as OEM assemblies for optimal integration into various laser applications. Thanks to cleanroom production, technotrans also provides solutions for demanding application areas such as the semiconductor and medical technology sectors.

"technotrans serves the specific requirements of the laser industry with future-proof and energy-efficient thermal management systems," says Denis Roessel, Business Development Manager at technotrans systems GmbH. "We offer tailored solutions with high temperature

stability for every type of laser. At the same time, we actively support our customers in switching to natural refrigerants to ensure long-term legal compliance."

At its booth, the thermal management specialist will showcase the extended PRO300 series, now consistently available in sizes from 4 to 12 height units (HU) as both air- and water-cooled versions. All devices in the series are designed for the use of the eco-friendly, natural refrigerant R290. With a particularly low GWP (Global Warming Potential) value of 0.02, they already meet upcoming regulatory requirements such as those of the European F-Gas Regulation or the US EPA directives. This provides customers with global planning and investment security. In addition, the chillers feature precise temperature control with a stability of < \pm 0.1 K, the modern ZKS-5 controller with clear-text display, and a wide range of communication interfaces (RS485 standard and Ethernet).

Reliable, precise, and flexible integration

Also on display are compact Peltier cooling systems: they enable precise, low-vibration temperature control without any refrigerant, making them ideal for particularly sensitive measurement environments or laboratory applications. The Peltier units are flexibly available as 19-inch rack modules or as benchtop versions. Flexibility is also at the heart of the p1000/24V series. Based on advanced miniature compressor technology, these devices deliver high cooling performance in a very small footprint. They are available not only as compact standalone solutions, but also as highly integrable OEM assemblies. This enables space-saving and individual integration into a wide range of customer applications.

Another key topic at the trade fair is technotrans' enhanced capabilities for applications with the highest purity requirements. With cleanroom production capacities conforming to ISO Class 7, technotrans is able to

develop thermal management solutions that meet the stringent requirements of technologically advanced sectors such as the semiconductor industry. "This capability is crucial in supporting our customers in high-tech markets and providing them with decisive advantages in terms of energy efficiency and precise temperature control," Roessel emphasises.

technotrans will be exhibiting at Laser World of Photonics 2025 in Munich from 24 to 27 June at booth B3.228.

Further informationen under: www.technotrans.com

About technotrans SE:

technotrans SE is a technology and services group with worldwide operations. The company's core skill focuses on application-specific solutions in the area of thermal management. As an integral aspect of customer systems, these solutions optimise energy consumption and govern the temperatures encountered in sophisticated technological applications. With 17 locations, the Group has a presence in all major markets worldwide. Based on the Future Ready 2025 strategy, technotrans has defined the 5 focus markets Plastics, Energy Management (including electric mobility, high power charging stations and data centers), Healthcare & Analytics, Print and Laser. In addition, technotrans offers its customers an extensive portfolio of services including installation, refurbishment, maintenance, repair, a 24/7 parts supply and technical documentation. The Group has 6 manufacturing locations in Germany, one in China and one in the United States. technotrans SE is listed in the Prime Standard (ISIN: DE000A0XYGA7 / WKN: A0XYGA) and employs around 1,500 people worldwide. The Group reported revenue of € 262.1 million for the 2023 financial year.

Note

This press release contains statements on the future development of the technotrans Group. They reflect the current views of the management of technotrans SE and are based on corresponding plans, estimates and expectations. Please note that the statements contain certain risks and uncertainties that could cause actual results to differ materially from those anticipated.

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