

## **Press Information**

Rittal GmbH & Co. KG

*Rittal at HMI in Hanover  
from 11 - 15 April 2005  
Hall 11, Stand E04*

### **Nano-coating extends cooling output**

**RiNano coating of the condenser of Rittal TopTherm cooling units keeps cooling output constant over a longer time and saves time and costs.**

Herborn/Hanover, 11 April 2005 - Nano technology is a trend topic in many industries. As the top global supplier of housing and industrial enclosure systems Rittal is utilising the positive properties of this innovative surface-enhancement technology in the field of system climate control. In respect of heat exchangers in particular, the heat output can deteriorate by 30 to 50% with increasing contamination of the cooling fins. Rittal is now offering under the designation RiNano for its TopTherm cooling units of Series SK 3303/3304/3305/3384 optionally condensers with nano-coating. In this way the cooling output of the units can be maintained constant over a longer period because of the water-, dirt- and oil-repellent effects. By means of a thin glass-like sealing layer on the fins the contamination of the cooling units is significantly reduced. This saves the customer time and costs because of less contamination the condensers are easier to clean and, on the other hand, the intervals between expensive maintenance jobs are extended. In many applications, with dry dust for instance, filter mats are no longer required. In case of applications with oil-bearing air where metal filters are used the service life of the latter also increases.

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"Fascinating Future" is the banner above the new information platform of Herborn-based company Rittal. Publications of the latest research results are flanked by user reports and other articles documenting the successful implementation of new technologies in the more than 8,000 different Rittal products. After all, the future has many complexions. "Fascinating Future" sets new standards in quality and cost-efficiency. It demonstrates that Rittal is an important partner for the world market when it comes to research and development. For more details, visit: [www.fascinatingo-future.com](http://www.fascinatingo-future.com)

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## **Rittal**

Today, with more than 8,000 standard products available for immediate delivery, Rittal is one of the leading system providers for housing and enclosure technologies. The product spectrum covers the fields of industrial enclosures, electronic packaging, power distribution, IT solutions and communication systems, alongside a variety of unique solutions for system climate control. As a specialist supplier, Rittal presents solutions ranging from active fan ventilation for applications with lesser cooling requirements up to air-water heat exchangers and recooling systems for higher temperatures.

The scope of competence also embraces cooling for sensitive electronics in enclosures and housings for industrial process control, as well as for server and network technologies. Introducing their new Power Cooling System in 2002, Rittal was the first manufacturer to show the world how a liquid-based CPU cooler can be integrated in the infrastructure of server racks.

In addition to future-oriented solution expertise in all matters of system climate control, Rittal offers a comprehensive range of customer services, including world-wide consulting, maintenance and spare parts services, and special climate control service centres for 54 countries. Service hotlines, mobile on-site customer service, and climate control consultants with heat-sensitive cameras and computer simulation (CFD) round off the programme.

Under the roof of Rittal International optimum synergies for the customer are created, based on close co-operation with market leaders like Eplan (Number One in Europe for software solutions for general engineering and plant construction and the general industry), Lampertz (a prominent supplier in the field of data and system security), and Litcos (a provider of innovative security concepts for data systems). 19 high-tech production locations – including, since February 2004, a state-of-the-art site in Shanghai, China – 60 subsidiaries; 150 sales and logistic centres and more than 70 agencies around the globe enable us to optimally supply all of the world's market places. In Germany, 22 Rittal sales and logistics centres cater for the customers' every need with nation-wide service. With over 8,500 employees world-wide, Rittal International is the largest company of the Friedhelm Loh Group of Haiger, Germany. Overall, the group has a workforce of more than 10,000.

## **Pictures:**

Picture Rittal TopTherm plus RiNano: *RiNano coating of the condenser of Rittal TopTherm cooling units keeps cooling output constant over a longer time and saves time and costs.*

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