Rittal at Hannover Messe 2022

From 30 May to 02 June 2022

Hall 11, Booth E06

New VX25 TopTherm chillers from Rittal

|  |
| --- |
|  |
| **Corporate Communications**  Dr. Carola Hilbrand Phone: 02772/505-2527 E-mail: hilbrand.c@rittal.de  Hans-Robert Koch Phone.: 02772/505-2693 E-mail: koch.hr@rittal.de  Rittal GmbH & Co. KG Auf dem Stützelberg 35745 Herborn, Germany www.rittal.com |
|  |

Cool head, small footprint

Precision requires that you keep a cool head. That applies not only to your personnel. Machine tools, too, are dependent on pinpoint temperature control based on liquid cooling if they are to produce exact machining results. The new Rittal TopTherm chillers in a VX25 system enclosure deliver just that from a uniquely small footprint, and are furthermore flexible and easy to use. For ultimate performance and network-capable cooling.

Herborn, 01 June 2022 – The cooling of liquids is one of the basic prerequisites for smooth operation in many industrial manufacturing processes. Machine tools, in particular, must incorporate exact temperature control to enable the precise machining of metal workpieces. The new Rittal TopTherm chillers in a VX25 system enclosure combine that with a uniquely small footprint: Suitable for compact and flexible incorporation into a VX25 bayed suite, they occupy 34 per cent less floor space. The new fan technology, software optimisation and an improved heat exchanger reduce the carbon footprint by up to 35 per cent. Thanks to the microchannel technology, the full cooling output is achieved with 55 per cent less refrigerant.

**More precision, high availability**

The new chillers are offered in four output classes from 8 to 20 kW. Temperature control with a standard hysteresis of just ± 1 K provides for high machining accuracy. Safety functions such as pressure relief valves, flow sensors, filling level monitoring and an electronic rotating field ensure high machine availability. In addition, the VX25 chillers are provided with a built-in Ethernet port (Remote Monitoring) – for fast, user-friendly configuration, parameterisation and temperature recording. Integration with a higher-level control system (MIS/PLC) guarantees maximum process reliability. Configuration and commissioning are realised quickly, conveniently and without the need for special programming knowledge via an integrated web server. The new VX25 chillers are thus ready for Industry 4.0.

With key features supporting a reliable cooling process already integrated into the standard unit, VX25 TopTherm chillers can be supplied directly from stock. The dual-frequency design (power supply 50/60 Hz) means that the units are ideally suitable for international use. Further benefits for users are the global availability of original spare parts within 24 hours and a choice of custom-tailored service contracts.

**Efficiency from planning to operation**

Rittal offers numerous software tools to support efficient project planning – in every phase and along the entire process chain from engineering, via procurement and manufacturing through to operation and IT. The list of software modules includes high-quality 3D device data (Cadenas), online platforms for chiller and enclosure configuration, and cloud-based solutions for electrical documentation on the shop floor. By way of a digital wiring plan pocket (Rittal ePocket ), operators have instant access to all basic information, such as electrical circuit drawings, hydraulic plans (P+ID) and pre-defined Eplan macros, and can also upload further data and documents relevant to their individual project. That accelerates processes and raises productivity.

(3.280 characters)



**Caption(s)**

Figure 1 (fri210411195): Machine tools are dependent on pinpoint temperature control based on liquid cooling if they are to produce exact machining results. The new Rittal TopTherm chillers in a VX25 system enclosure deliver just that from a uniquely small footprint, and are furthermore flexible and easy to use in networked operation.

May be reproduced free of charge. Please name Rittal GmbH & Co. KG as the source.

**About Rittal**

Rittal, headquartered in Herborn, Germany, is a leading global provider of solutions for industrial enclosures, power distribution, climate control and IT infrastructure, as well as software and services. Systems made by Rittal are deployed in over 90 per cent of all industries across the world, including machine building and plant engineering, food and beverages, and IT and telecommunications.

The international market leader’s product portfolio includes configurable enclosures, with data available across the entire production process. Smart Rittal cooling systems, with up to 75 per cent lower power and a great carbon advantage can communicate with the production landscape, enabling predictive maintenance and servicing. The offering also includes innovative IT products, from IT racks and modular data centres, to edge and hyperscale computing solutions.

Leading software providers Eplan and Cideon support the value chain, providing interdisciplinary engineering solutions, while Rittal Automation Systems offers solutions for switchgear. Within Germany, Rittal can supply products on demand within 24 hours – with precision, flexibility and efficiency.

Founded in 1961, Rittal is the largest company in the owner-operated Friedhelm Loh Group. The Friedhelm Loh Group is active worldwide, with 12 production sites and 94 international subsidiaries. It has 11,600 employees and posted revenues of €2.6 billion in fiscal 2019. In 2022, the family-run business was named one of Germany’s leading employers by the Top Employers Institute, for the 14th year running. Within the scope of a Germany-wide survey, Focus Money magazine identified the Friedhelm Loh Group as one of the nation’s best providers of vocational training for the fifth time in 2021. In 2022, Rittal was awarded the Top 100 Seal as one of Germany’s most innovative medium-sized companies.

For more information, visit www.rittal.com and www.friedhelm-loh-group.com.