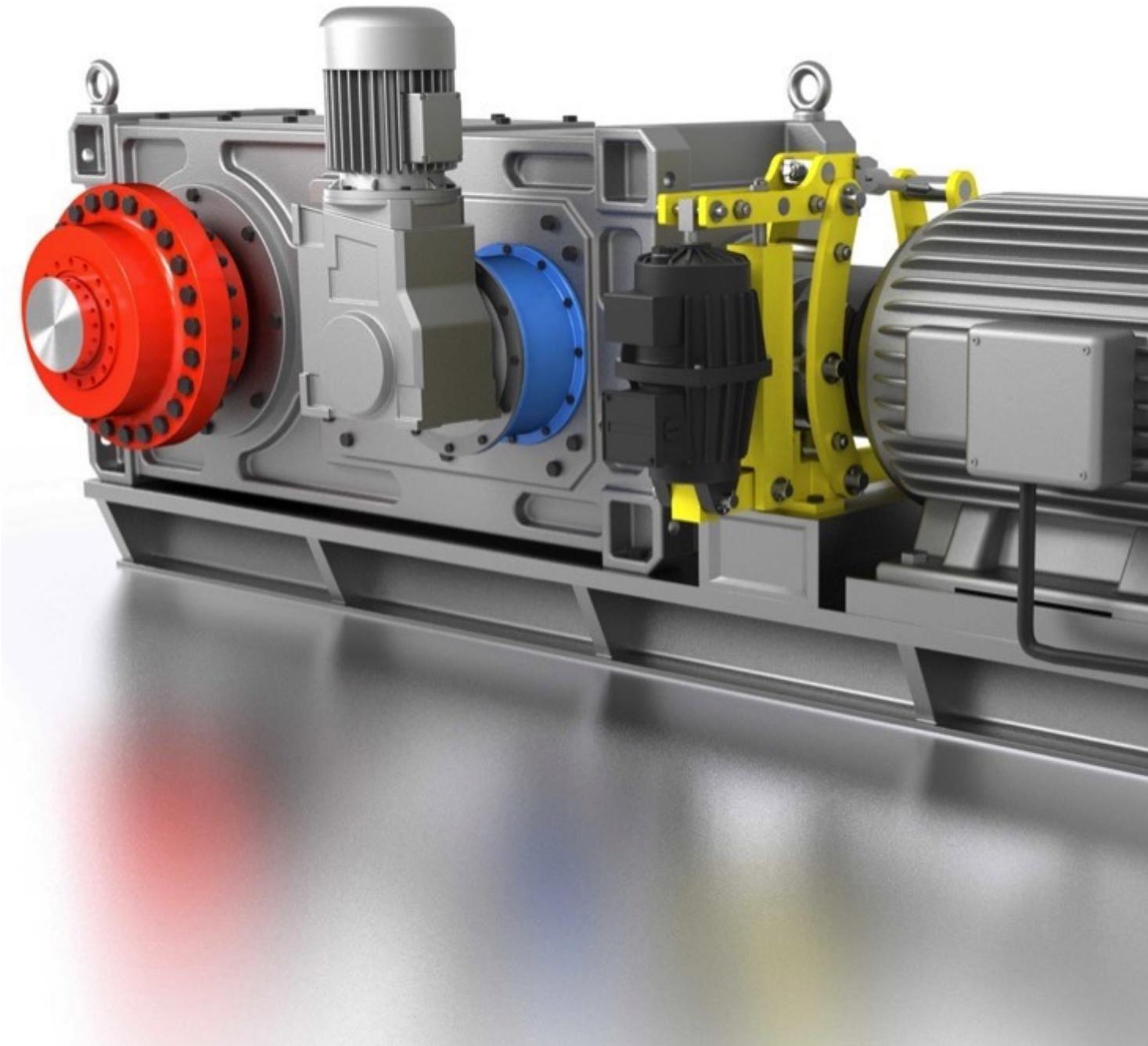


Product News

RINGSPANN: Industrial Brakes - control, hold and stop with a Number of Options

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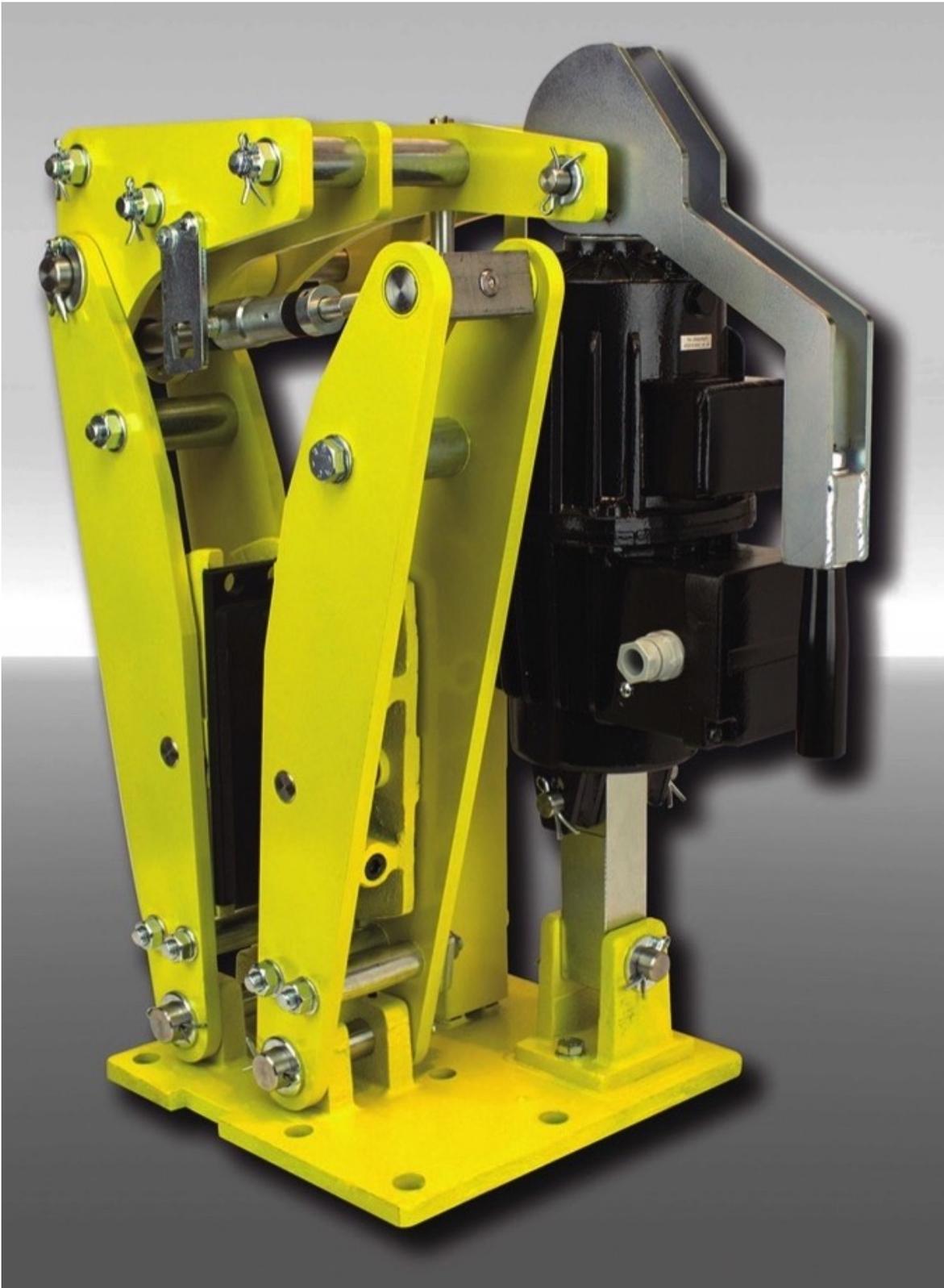
Thanks to a product offensive launched in recent months, RINGSPANN now has an almost complete range of industrial brakes. Above all, the large selection of electro-hydraulic drum and disc brakes with their possibilities for customer-oriented optimization set global standards, the company says. These brakes are primarily used in the drive and safety systems of lifting and conveying systems in the mining industry and container logistics as well as crane construction and marine technology.



RINGSPANN's electro-hydraulic drum and disc brakes are primarily used in lifting and conveyor systems in the steel industry and container logistics. (Picture: RINGSPANN)

They ensure the operational safety of bucket wheel excavators and belt conveyors for bulk materials, enable the secure handling of containers and ensure the smooth handling of melting pots at the blast furnaces of steel producers. They are also used worldwide as indispensable components in the drive units of mobile gantry cranes. This refers to the electro-hydraulic drum and disc brakes in company's current portfolio, which - according to RINGSPANN - is currently

among the best-stocked offers on the market.



Electro-hydraulic disc brakes from the RINGSPANN DS 370 FEM series for braking torques of up to 19,900 Nm. (Image: RINGSPANN)

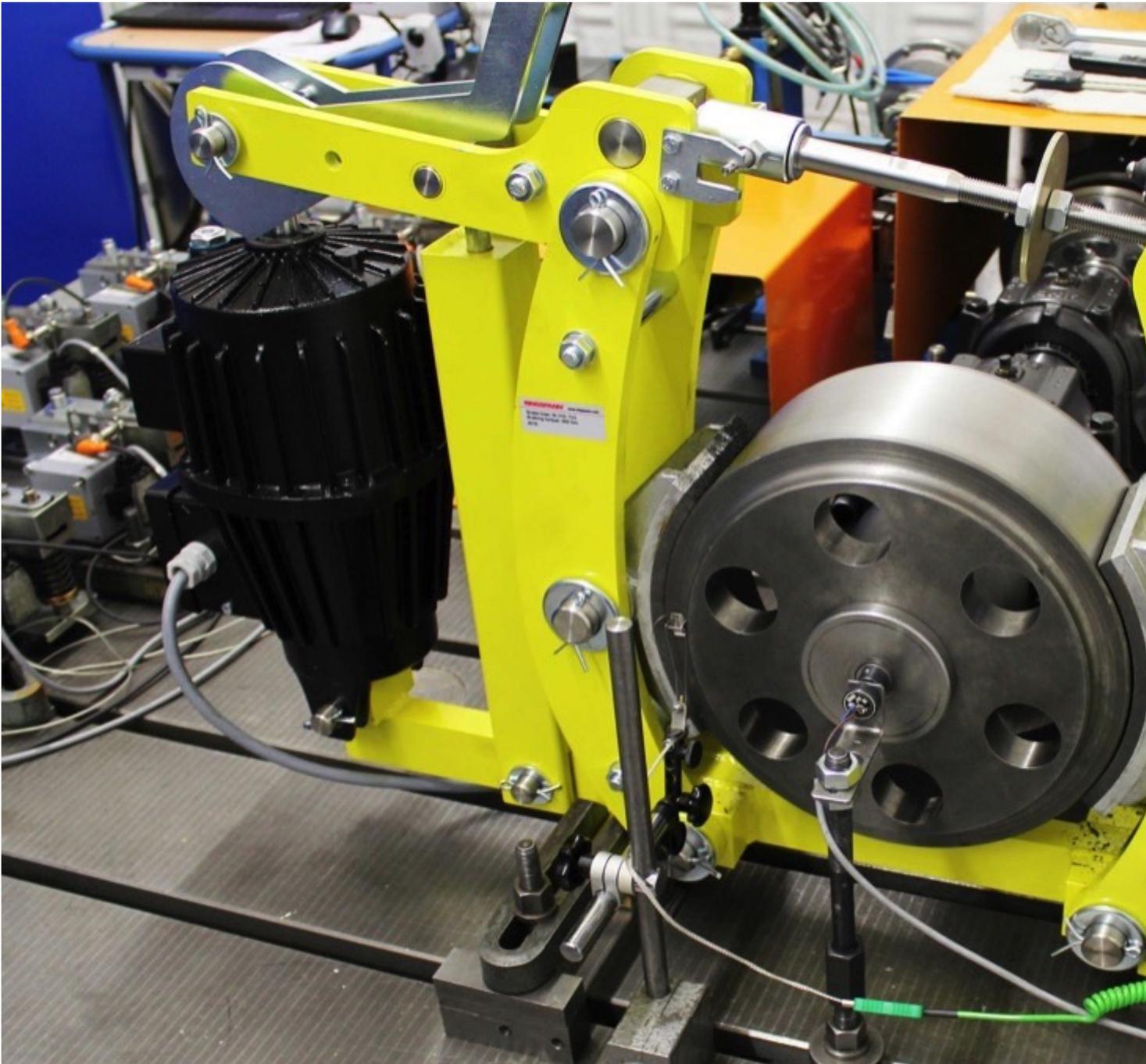
And yet the currently catalogued standard range, with brake torques ranging from 230 to 7200 Nm for drum brakes (DT series...) and from 2000 to 19,900 Nm for disc brakes (DS series...), conveys at best just a vague impression of the true scope of performance that RINGSPANN can offer engineers, developers and purchasers in this brake technology segment. And that is because, in addition to the almost all-encompassing range of models with the corresponding control systems, the customer-oriented configuration of electro-hydraulic drum and disc brakes along with the fast spare part services and modern test bench technology rank among the company's greatest strengths.

From Catalogue Model to Customer Solution

An important linchpin in all of this is RINGSPANN's Italian subsidiary close to Milan. It has assumed an increasingly pivotal role due to the organisational integration of a brake manufacturer acquired at the beginning of the year, and in the technological tête-à-tête with the RINGSPANN specialists at the firm's headquarters in Bad Homburg is able to transform any electro-hydraulic drum or disk brake from the catalogue range into a customer and application-specific ideal solution. To do so, there is not only a broadly diversified range of technical options available, but also the in-house production capacities of RINGSPANN Italia. And if it shouldn't be possible to specially tailor broader brake shoes or drums, an automatic friction lining wear regulation, an externally adjustable brake spring, a heat-resistant lifting device or sinter metal friction linings – to name just a few possibilities from the wealth of options – for the selected electro-hydraulic brake for your application, the CNC machinery in Limbiate opens up further scope for technical fine tuning.

Just-in-Time and with a Test Report

In the field of electro-hydraulic drum and disc brakes, RINGSPANN also scores with other important factors. The constant availability of all technically important components on site in Italy for example secures a high degree of availability of the brakes and enables the integration of the brake assembly into just-in-time scenarios of European customers. All spare and wear parts are also available on standby and supplied in record time.



The electro-hydraulic drum DT315FEM (Steel Frame) from RINGSPANN on a test bench für verifying the braking torques, holding forces, reaction times. (Picture: RINGSPANN)

Last but not least, RINGSPANN's brake customer receives the greatest possible planning and investment security through the company's comprehensive test bench technology. Braking torques, holding forces, reaction times and many other decisive performance parameters of the DT and DS series brakes can be tested, checked and verified by RINGSPANN on its own test benches. In addition to detailed installation instructions and user manuals, the customer also receives all the necessary test reports and protocols for their technical documentation and

quality assurance. By the way: The RINGSPANN's electro-hydraulic drum brakes comply with the connection dimensions of DIN 15435. The takeover of the north Italian brake manufacturer Ostelectric in January of this year has brought RINGSPANN a crucial step closer to its future as a one-stop supplier for industrial drive technology components. The company not only boasts additional engineering and production expertise in the field of electro-hydraulic drum and disc brakes, but now also belongs to the established circle of manufacturers of electro-hydraulic lifting devices, which form the dynamic centrepiece of these brake types. The integration of the Italian manufacturer's range of products into RINGSPANN's overall portfolio amounts to what is an enormous densification of performance of its brake range. It also means that customers of drive technology at RINGSPANN currently have access to all relevant design and functional types of industrial brakes.