

PRESS RELEASE

Headline:

RÄDER-VOGEL SUPERSIZES WHEELS WITH HELP FROM HUNTSMAN

Research & Development adds new dimension to production of custom wheels

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RÄDER-VOGEL, one of the world's largest producers of industrial wheels and castors, has expanded its product portfolio to include extra-large custom-made wheels. The move follows a technical development project with Tecnothane™ hot cast polyurethane MDI system experts from Tecnoelastomeri – the Italian system house purchased by Huntsman Corporation in 2015.

After consulting Huntsman Tecnoelastomeri about the best materials to use to supersize its range, RÄDER-VOGEL is now offering its customers tailor-made wheels with a diameter of more than 1500 mm. The wheels are being offered under RÄDER-VOGEL's PEVOTEC® brand – an extensive family of wheels and castors designed for use in extreme operating conditions.

PEVOTEC® wheels are based on Tecnothane™ hot cast polyurethane MDI system from Tecnoelastomeri. Characterized by their flexibility, castors and wheels in the PEVOTEC® range are renowned for their ability to carry heavy loads, even where mounting space is tight. Well equipped to handle extreme stress and temperature variations, they are ideal for heavy duty tasks. In the metal processing industry for example, they are used to transport hefty, dirty raw materials between heat furnances and forging units.

Explaining more about the development of the new PEVOTEC® wheel options, Carsten Henning, President and Managing Partner of RÄDER-VOGEL, said: "Over recent years we've seen a significant uplift in requests for extra-large wheels for industrial applications. Producing bigger wheels to function in production and processing environments – where material properties are tested to the limits – sounds relatively straightforward, but it's actually really complex. It's not just a case of scaling up our smaller designs. Each customer wants a different sized wheel for a specialist task so we need to tailor what we offer each time.

With years of material know-how, Tecnoelastomeri has a wide range of Tecnothane™ hot cast polyurethane MDI systems that we can choose from and the skills to help us adapt their chemical and physical properties to meet the needs of our customers."

The first extra-large PEVOTEC® wheels developed by RÄDER-VOGEL are performing well. Customers putting them to good use include Dango & Dienenthal Maschinenbau GmbH – a leading manufacturer of machines for the filtration and processing of raw materials. RÄDER-VOGEL has created wheels for Dango & Dienenthal that have a diameter of 1450mm; a width of 500 mm; a load capacity of more than 50 tons. The wheels are used in forging manipulators. Offering trouble-free

transportation, the wheels are coping with extreme stress and temperature challenges – consigning different types of damage, such as cracking or flattening, to the past.

Stefan Buch, Purchasing Manager at Dango & Dienenthal, said: "Thanks to PEVOTEC® we can ensure the highest performance for our machines. This in turn is helping us keep production losses to a minimum and increase customer satisfaction."

Based on the market's positive reaction to the launch of its new range of extra-large wheels, RÄDER-VOGEL is expecting further interest from companies across the mining industry and other sectors where the use of heavy duty equipment is essential.

RÄDER-VOGEL

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