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Innovation in powder processing: ystral showcases high-shear vacuum expansion technology at SOLIDS

Process engineering specialist ystral will be presenting highly efficient solutions for mixing and dispersing powders in liquids at SOLIDS 2026. The international trade fair for powders, granules and bulk material technologies will take place on 18 and 19 March in Dortmund / Germany.

ystral designs, engineers and manufactures mixing, dispersing and powder wetting machines as well as process plants that are used worldwide in the chemical, pharmaceutical, paint and coatings, food, household and cosmetics industries and in battery manufacturing. At SOLIDS, the company will present its innovative technology for powder dispersion using high-shear vacuum expansion. "This technology for dispersing powders in liquids offers enormous potential for rationalisation compared to traditional processes – depending on the application, it can save up to 20% of raw materials, up to 90% of process time and an average of 70% of the energy previously required," says Dr. Hans-Joachim Jacob, Senior Expert Process and Applications at ystral.

At stand 4-E37, ystral will be showcasing the YSTRAL Conti-TDS powder wetting and dispersing machine, which works with high-shear vacuum expansion. The machine will be presented as a compact process system with a transparent container, jetstream mixer, induction lance and control module.

Further information

Find out more about ystral's presence at SOLIDS at <https://www.solids-recycling-technik.de/en/exhibitors/ystral-gmbh-maschinenbau-processtechnik-199203/>. In its new white paper, "The Future of Powder Dispersion – Process solutions for the world of tomorrow", ystral explains in detail the challenges and innovative methods involved in powder processing. The white paper can be downloaded at <https://ystral.com/en/knowhow/knowledge-portal/whitepaper/the-future-of-powder-dispersion/>.

Press Release



Press photos:

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[Caption]

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(image credit: ystral)

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[Caption]

YSTRAL Conti-TDS with high-shear vacuum expansion technology for dust-free inducting and dispersing of powders in liquids.

(image credit: ystral)

Press Release



About ystral

The ystral Group is an owner-managed family business operating in the field of mechanical and plant engineering and employing a total of just under 300 staff. The company – based in Ballrechten-Dottingen near Freiburg in Germany – plans, designs and manufactures highly efficient mixing, dispersing and powder wetting machines as well as process systems. ystral technologies are used worldwide in the chemical, pharmaceutical, coatings and paints, foodstuffs, home and personal care as well as battery production industries.

Press contact:

Carta GmbH
Stephan Reichhard
Telephone: +49 (0) 6232 100 111 21
Email: reichhard@carta.eu

Company contact:

ystral gmbh maschinenbau +
processtechnik
Thibault Weinert
Telephone: +49 (0)7634/5603-642
Email: thibault.weinert@ystral.de