

Ballrechten-Dottingen / Germany, June 1, 2026

Mixing and dispersing technology specialist ystral opens new trial centre

The machine and systems manufacturer ystral has opened a new trial centre at its headquarters in Ballrechten-Dottingen / Germany. The new facility enables the company to carry out more customer trials than before while processing a broader range of raw materials.

ystral designs, engineers and manufactures highly efficient mixing, dispersing and powder induction machines, as well as process systems, used worldwide in the chemical, paints and coatings, food, pharmaceutical, household and cosmetics industries, as well as in battery production. At the ystral trial centre, companies from these sectors can develop new products and processes or optimise existing ones, train their operating personnel on ystral machines, and test the mixing technology provider's solutions.

ystral has already conducted a number of tests in the new trial building. Its major importance to the company's commercial success became evident from the outset: following trials, a printing ink manufacturer awarded ystral an order with a project volume worth several million euros. "Our experience shows that tests carried out in our trial centre almost always lead to collaboration," says Uwe Klaumünzner, Head of Development and Trials at ystral.

Trials with flammable and explosive media

The new trial area complies with statutory explosion protection and water protection requirements, and the machines used are ATEX-compliant. Trials with flammable and explosive media are possible there following case-by-case assessment. During the tests, users do not need to be on site themselves, but can also follow proceedings remotely via livestream.

Comprehensive analysis options

In the company's in-house laboratory, samples can be examined under an optical microscope with respect to various parameters. This includes both density measurement and particle size analysis by means of dynamic light scattering. In addition, viscosities can be determined using various measurement methods, with and without tempering, and curves for different shear rates can be recorded.

Expansion with an additional trial building possible

With a construction and commissioning phase of just under 12 months, work on the trial centre progressed exactly according to plan. The new trial building was constructed in a compact cubic design on an area of around 150 square metres and can, in future, be expanded with an additional trial building on an adjacent open site. "At our current company size, we are very well positioned with our existing trial facilities," says ystral Managing Director and co-owner Peter Manke. "However, we planned our new trial centre from the outset in such a way that expansion is possible."

Further information about the ystral trial centre:

<https://ystral.com/en/process-technology/trial-centre/>

Press photos:

ystral_trial_centre_1.jpg



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Trial area in the new ystral trial centre with installed dust and gas extraction systems. The processing of flammable and explosive media is possible there following case-by-case assessment.

Photo credit: Tobias Heink / ystral

ystral_trial_centre_2.jpg



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ystral preferably carries out trials not on laboratory machines, but on production machines, as this produces more reliable results that can be transferred directly to full-scale production.

Photo credit: Tobias Heink / ystral

ystral_trial_centre_3.jpg



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[Caption]

The new trial centre was constructed in a compact cubic design on an area of around 150 square metres and can in future be expanded with an additional trial building.

Photo credit: Tobias Heink / ystral

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 induction 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