

Testing, understanding and improving raw materials, formulations and processes

# Our process for **bespoke trials**


In the ystral trial centre, you can develop new production processes or optimise existing ones while gaining a deeper understanding of your raw materials. You will benefit from expert process consulting from our process and application engineers and our experience from thousands of successfully completed trials. The entire range of ystral machines is available for your trials – from laboratory to production scale.

**Our trial centre is the ideal place to put ystral technologies through their paces and experience our process engineering expertise first-hand. We look forward to conducting trials with you – and to challenging mixing requirements!**

**1** 


**Initial contact & requirements analysis**

In an initial meeting, we talk to you about your specific objectives, your formulations and your desired test setting. We check your submitted documents and the safety data sheets of your raw materials for critical H-phrases, among other things, and give you feedback on whether we can carry out the tests you require.

**2** 


**Individual trial offer**

If the trials can be carried out with your raw materials in our trial centre, we will prepare a trial offer for you with details of the trial period and the specific test conditions. After your approval, you will receive a binding order confirmation.

**3** 


**Material delivery & trial preparation**

The trial materials should reach us in good time, and by prior arrangement, before the scheduled test date. We store hazardous substances safely in special hazardous substance cabinets. Tailored to your requirements, we set up the test site for you, provide all the necessary machines and components and develop a schedule for carrying out and analyzing the tests.

**4** 


**Carrying out the experiment**

On the trial day, we discuss the planned test procedure together. Up to four tests can be carried out per day, which you can follow either on site or remotely via livestream. During the tests, we document all the relevant parameters in full: from the quantities of raw materials added, mixing times and temperature curves to shear rates and the power consumption of the machines.

**5** 

**Immediate results analysis**

We discuss the results with you immediately after each trial. We can carry out analyses of particle size distributions or viscosity measurements in our in-house laboratory and discuss them directly with you. If necessary, we can jointly develop optimisation proposals for the next test steps.

**6** 

**Detailed reporting**

Once the trials have been completed, you will receive a comprehensive test report within approximately one week. Your final report contains the complete trial documentation with all tested recipes, all process parameters and measurement results. You will also receive specific recommendations from us for the scale-up and the optimum machine equipment for your production requirements.

**7** 

**Material return**

You can collect your test batches within a week of the end of the trials. Alternatively, we can organize the return shipment by a logistics service provider or professional disposal via our certified partner. Processing is transparent and uncomplicated according to your specifications.

[ystral.com/trial-centre](https://ystral.com/trial-centre)

**REQUEST A TRIAL NOW!**

Contact us at [ystral@ystral.com](mailto:ystral@ystral.com) or at [ystral.com/trial-centre](https://ystral.com/trial-centre) and discuss your goals with us.

**Ystral**<sup>®</sup>  
110% MIXING SOLUTIONS