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GERSTUNG Sondermaschinen GmbH

CETA at Control from 23 to 26 April 2024, Stand 8208 in Hall 8.  
Request a free trade fair ticket by calling +49 2103 2471-75.



Dear readers,  
from 23 - 26.04.2024 we will be exhibiting at the **Control 2024** trade fair in Stuttgart. This time the trade fair will take place in exhibition halls 8 and 10. At our stand in **Hall 8, Stand 8208**, we will be presenting all types of test devices from our current **CETATEST x25** series. We will also demonstrate a test stand for automatic leak testing of fuel tank caps in live operation. We look forward to your visit.

Yours, Günter Groß,  
Managing Director

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**Completion of the current CETATEST x25 test device series**

Two new products will be added to the current **CETA-TEST x25** test device series in the second half of 2024: the **CETATEST 625** mass flow tester (for detecting small leak rates in large-volume products) and the **CETATEST 925** volume flow tester (for flow measurements up to 200 l/min). These test devices replace their predecessors and complete the current product range,



which already includes the CETATEST 525, 725 and 825 leak tester series. With the comprehensive range of test devices, the right CETA test device can be found for almost any application. The complete and **current CETATEST x25 product range**, including the two new variants, will be presented at the Control 2024 trade fair.



**CETA Digital: CETA online seminars in the 2nd quarter of 2024**

In the 2nd quarter of 2024, we are offering practice-oriented online seminars as part of the "CETA Digital - From practice for practice" program.

- 11.04.2024** CETA flow tester series  
From a few ml/min to several hundred l/min
- 16.05.2024** Leak testing of encapsulated test parts  
About sensor systems, car keys and watches
- 23.05.2024** Solutions for the packaging industry  
Leak testing of plastic drums and IBCs
- 20.06.2024** IP protection types, type tests and routine tests  
What does this mean?



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Information on the content and registration can be found on our homepage [www.cetatest.com](http://www.cetatest.com).

## Cooperation between CETA and GERSTUNG - Testing technology and plant engineering

At the CETA stand, GERSTUNG Sondermaschinen GmbH, with whom CETA has been working very successfully for several years, will also be present.



GERSTUNG Sondermaschinen GmbH, based in Mönchengladbach, is a specialist in automation with more than 100 years of company history. GERSTUNG develops individual special solutions across all industries, which are used in numerous sectors. In addition to plant and fixture construction, the main focus is on automation solutions for a wide range of manufacturing processes. (www.gerstung.de)

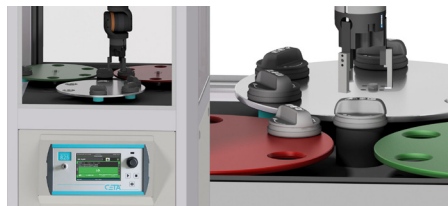
**CETA**® CETA Testsysteme GmbH is a solution provider and manufacturer of test devices with more than 35 years of experience in industrial leak and flow testing. Compressed air is used as test medium. Several thousands of CETA test devices are in use worldwide for quality assurance in production lines. (www.cetatest.com)

### Test stand for leak testing of fuel tank caps

A highlight at the CETA stand is the **live demonstration of leak testing of fuel tank caps** in a test stand using the **CETATEST 825** differential pressure leak tester. The test stand was designed and manufactured by GERSTUNG Sondermaschinen GmbH.

In the fully automatic test stand, fuel tank caps are tested for leaks using positive overpressure. The products are provided in a rotary table with

6 holding positions and placed on the test adapter by a robot. The leak test is carried out with the parameterised test sequence being fully controlled and evaluated by the CETA leak tester. Depending on the test result (OK / not OK), the products are again transferred by robot to magazines with pick-up locations for good parts or bad parts.



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### CETA practical tip: Specification of leak test process and test stand

When integrating leak testing into the production process, there are various aspects to consider. This practical guideline helps to define the project.

#### Test parameter / test process

- Test pressure
- Direction of pressurisation (positive or negative overpressure)
- Allowable leakage rate
- Test method (if specified)

#### Integration in production

- Production cycle time
- Handling time of the product
- Number of planned test stands
- Measuring equipment capability
- Data recording (measured values or OK / not OK)
- Communication interface

#### General information

- Non-disclosure agreement
- Specifications
- Preferred components
- Project timeline

#### Test part

- Directly fillable or encapsulated?
- Internal fillable volume
- Typical failures to be detected
- Availability of samples for practical tests
- Drawings, STEP data

#### Test part - Specific features

- Expansion during pressurisation
- Temperature of the products during the test
- Contamination
- Filling through membrane
- Non-cured liquid seal

#### Test stand

- Degree of automation
- Test part supply
- Adaptation
- Operating concept
- Safety functions
- Mobility, space requirement
- Ergonomics

#### Test stand - Special features

- Use in clean rooms or Ex areas
- Mechanical decoupling
- Documentation requirements
- Remote access
- Specification for mechanical changeover
- Special requirements

#### CETA Testsysteme GmbH

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