



Bottle Cap Test (BCT100)

The OCS Bottle Cap Test (BCT100) is a compact solution for testing bottle caps and plastic bottles for crack resistance under combined chemical and mechanical stress in the laboratory. The system has 50 independent measuring stations, distributed across 5 measuring groups, which can be used flexibly for cap or bottle testing. The equipment includes a compressed air system, temperature-controlled wetting agent baths and a touchscreen control panel. The electronics are housed in a lockable, water-resistant control cabinet.

Testable Raw Materials

- Polyethylene materials

Features

- 50 measuring stations in 5 groups, each with individual load settings
- Wide range of load conditions possible (temperature, pressure, leakage and wetting agent)
- Precise and continuous measurement and documentation of test conditions
- Uniform bath temperature control in 2 independently usable baths
- No time limit on test times, time resolution: 1 sec. (real time)
- Operation via modern touch panel technology
- Visual and acoustic alarm functions for maximum safety
- Flexible and scalable trend visualization
- High chemical resistance of the materials used
- Individually configurable report output
- Flexible and secure data connection with state-of-the-art communication standards

Sales Team



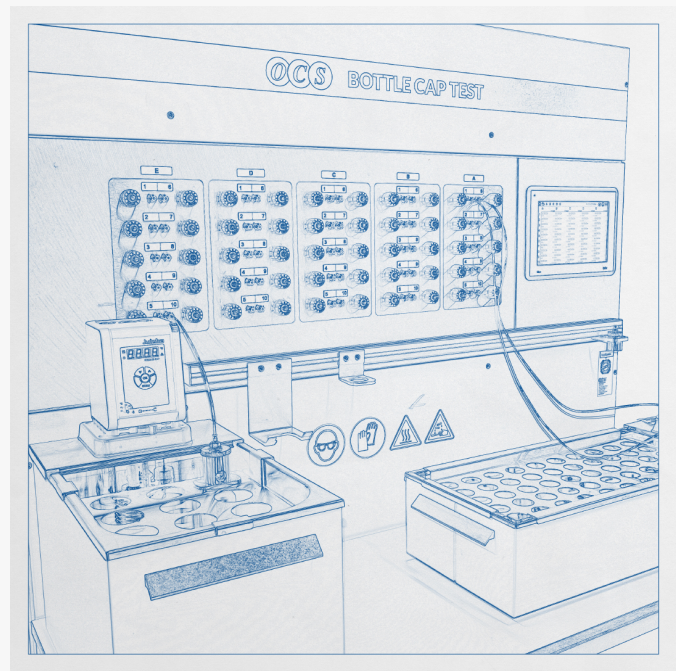
T +49 2302 95622-0
F +49 2302 95622-33
info@ocsgmbh.com
www.ocsgmbh.com

Address

OCS Optical Control Systems GmbH
Wullener Feld 24
58454 Witten
Germany

Technical Details

Load pressure range	0 – 6 bar (continuously adjustable)
Wetting agent bath temperature	25 – 80 °C (continuously adjustable)
Leakage measurement	Flow sensors with a resolution of 10 ml/min
Communication protocol	MODBUS (RTU, TCP/IP), PROFIBUS, PROFINET, OPC (server/client), CSV file, customised



More Product Pictures



Images, drawings and data are non-binding and subject to modification without prior notice. © 2026. All rights reserved - OCS Optical Control Systems GmbH | Wullener Feld 24 | 58454 Witten, Germany