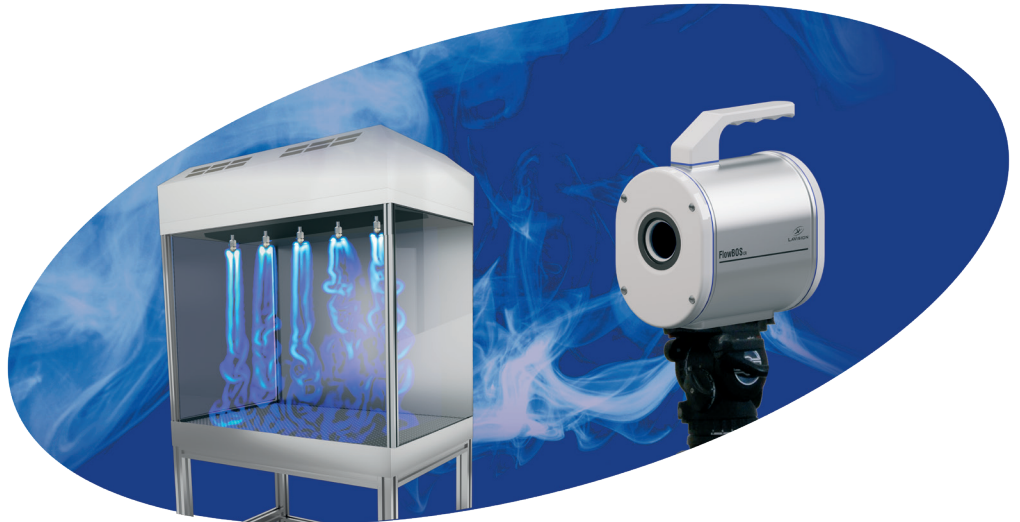


FlowBOS Camera CR

Quantitative airflow testing
in cleanrooms

The innovative **FlowBOS Camera CR** from LaVision quantifies airflow tests using advanced live-processing technology to derive real-time velocity fields.



Nowadays large portions of airflow tests in cleanrooms rely on qualitative judgements of flow visualizations based on added visible tracers such as glycol smoke or water vapor. Although large amounts of data are typically recorded on video recording devices, decisions about the validity of the measured airflows are usually made by airflow experts with vast experience in the matter.

LaVision offers a new camera technology capable of reducing the time spent on airflow tests by introducing computer-aided objective quantities to derive decisions on meeting the classification requirements of your cleanroom. Airflow tests at critical locations can be recorded and replayed in slow-motion to carefully analyze the flow pattern.

Operation principle

The **FlowBOS Camera CR** uses advanced data-processing algorithms in combination with extremely optimized computational power that allows for real time visualization and quantification of the airflow. The obtained velocity data is presented as a colored augmentation to the airflow visualization based on aerosols or smoke.



FlowBOS camera CR

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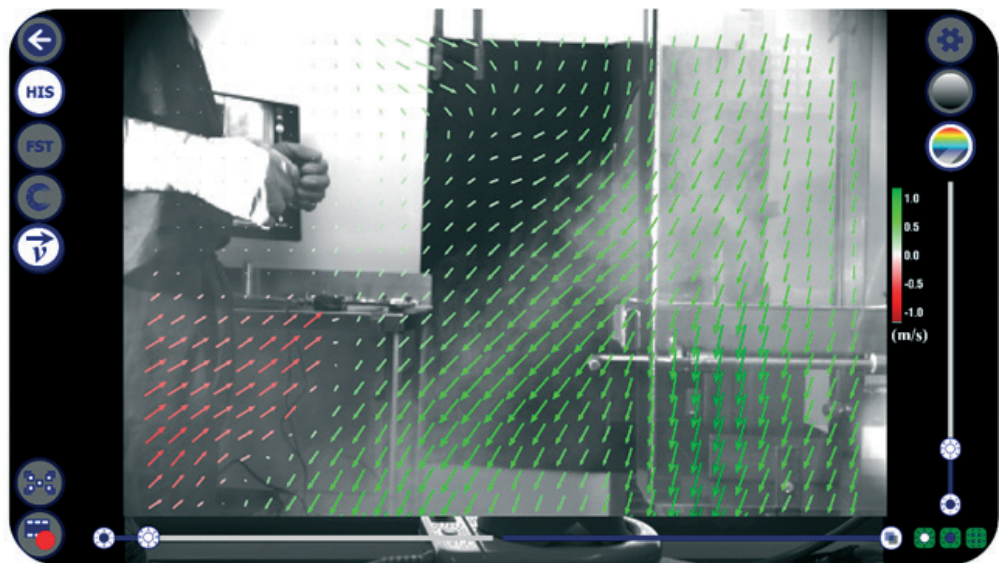
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- Features**
- ▶ Enables objective smoke/aerosol airflow tests
 - ▶ Quantifiable, computer-aided decision on acceptance of flow patterns
 - ▶ Two-dimensional velocity measurement allows cross-checking against filter unit specifications and settings
 - ▶ GMP/GAMP5 capability according to FDA 21 CFR pt. 11
 - ▶ Contamination-free in combination with LaVision's **FlowBOS CR BOS** technology

The intuitive and simple handling of the **FlowBOS Camera CR** allows for an immediate use with existing workflows of airflow monitoring.

A screenshot of the real time result of a vial tray test at the open end of an isolator demonstrates one possibility of easily identifying potentially critical up drafting flow patterns by using a simple red and green color table for the corresponding velocity component. Additionally, the arrow length represents the magnitude of velocity.



Whether you plan a new measurement project or would just like to find out more about our solutions, please contact us at cleanroom@lavisoin.de.



Data provided by LaVision are believed to be true. However, no responsibility is assumed for possible inaccuracies or omissions. All data are subject to change without notice.

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