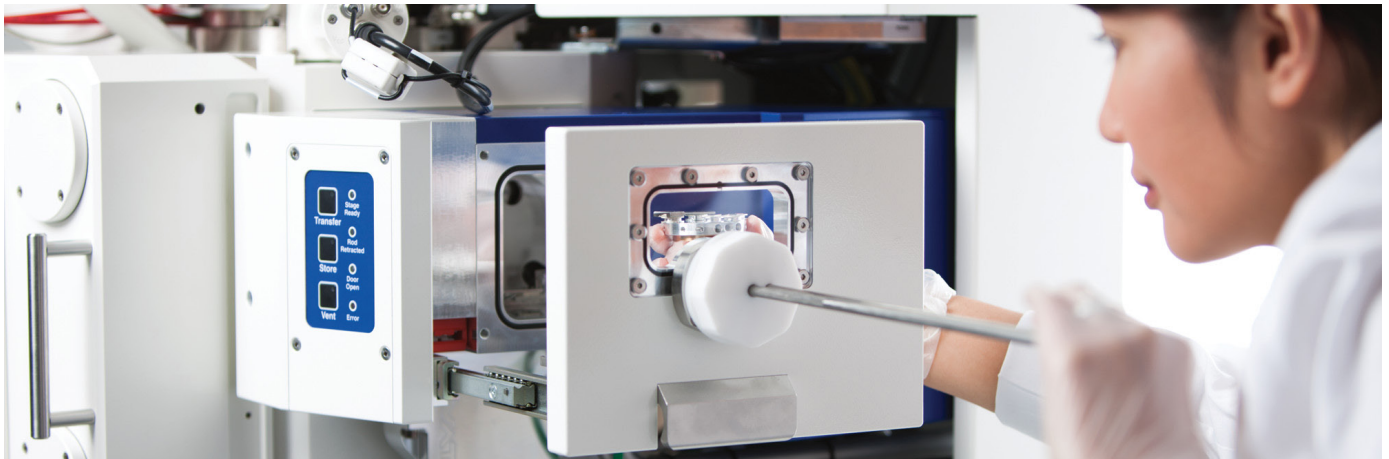


Reduced loading time and minimized potential of contamination

ZEISS Airlock

ZEISS Microscopy offers, as a retrofit, the possibility to easily load samples significantly faster into the chamber via Airlock. The Airlock allows efficient loading of samples without breaking the existing vacuum and thus reducing the risk of contamination of the sample chamber. By using this method, sample exchange time is significantly reduced. The Airlock is available in two different sizes to accommodate samples up to 80mm and up to 200mm.



Highlights

Ergonomic & convenient handling

Control the main functions directly from the easily accessible interface on the Airlock as well as the SmartSEM software

Significantly increased throughput

Reduce the loading time of samples up to a factor of 20

Contamination risk reduction

Minimize the potential contamination of the specimen chamber and increase your instrument performance

Loading of large samples

Easily load samples up to 200mm and therefore maximize your productivity

Upgrade your ZEISS microscope

Upgrade your ZEISS microscope with the Airlock upgrade and benefit from increased sample throughput and high-quality images.

As technical requirements may apply on some systems, please contact us to learn more about Airlock and how your processes will benefit from an upgrade: microscopy@zeiss.com



Seeing beyond

ZEISS Airlock

Minimized potential of contamination

Secure handling

In addition to the interlock system of the SEM, a second interlock system is integrated into the Airlock to ensure that the gate valve can not be moved if either the chamber door or the Airlock door is open. This is to prevent any risk of damaging the Airlock rod or the gate valve.

Availability

80mm Airlock:

- Crossbeam series
- GeminiSEM series
- MERLIN series
- Sigma series
- AURIGA series
- ULTRA series*
- SUPRA series*

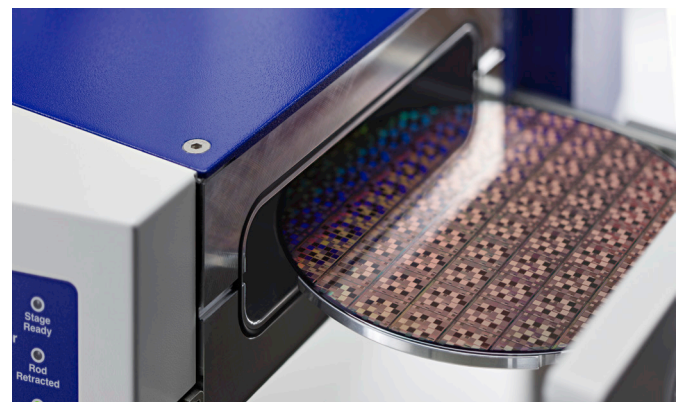
200mm Airlock

- Crossbeam 550 L
- AURIGA 60

**Technical limitations may apply.*



Airlock on ZEISS Crossbeam FIB-SEM.



Crossbeam 550, large Airlock with 6-inch wafer holder with a wafer in large Airlock.

The 200mm Airlock is also available for all systems for which the 80mm Airlock is available by using an adapter which reduces the maximum loading size to about 120 mm.

The 80mm Airlock allows you to load many samples at a time (e.g. nine stubs using the standard 9-fold carousel holder). Large or high samples fit easily through the Airlock.

