

# Efficient workflows, intuitive navigation and faster file search

## ZEISS SEM Workstation Upgrade

The ZEISS SEM Workstation Upgrade improves your daily processes by offering the latest SmartSEM software with the most current inclusive features and new routines, high-performance hardware specifications and the latest operating system.

Upgrading offers a faster startup, enhanced reliability to data collection workflows and larger data storage through a reliable hardware/software combination. DDR4 error correction code RAM.

Depending on your individual needs and imaging requirements, we offer a basic workstation or the enhanced workstation that embraces image analysis, 3D imaging and large data processing. Packed with high-end components to improve reliability, processing and storage.

34" ultrawide screen TFT monitor

Intel® Xeon® E3 processor

Up to 32 GB RAM ECC



Windows 10  
LTSC 2019 now  
available

### Highlights

#### Latest SmartSEM and Windows version

Improve your daily processes through a more comfortable user interface, faster workflows and consistently evolving features available for conventional, FEG and Crossbeam SEM systems

#### Intuitive navigation

Benefit from a faster and more user-friendly performance and navigation through the latest hardware specifications

#### Efficient workflow

Increase your productivity through up to 32 GB RAM ECC memory and 1TB SSD fast storage, included in the enhanced workstation package

#### Network compatibility

Simplify access to your images by integrating your ZEISS workstation into the company network with Windows 10 LTSC operating software security

### Upgrade your ZEISS microscope

Upgrade your ZEISS microscope with the SEM Workstation and benefit from intuitive navigation with faster file search and higher security standards.

As technical requirements may apply on some systems, please contact us to learn more about computer upgrades and how your processes will benefit from an upgrade: [microscopy@zeiss.com](mailto:microscopy@zeiss.com)

**ZEISS**

Seeing beyond

# ZEISS SEM Workstation Upgrade

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## Hardware specifications

Processor	Intel® Xeon® E3-1275v5	An enhanced processor in the Xeon class, with 4 hyper threaded cores giving 4 additional processing cores for a total of 8 cores, each running at 3.60 GHz
Memory	32 GB RAM ECC	32 GBs of error correction RAM designed to prevent data corruption, allowing for quicker access to all programs and any level of workstation/SEM usage with an extensive buffer for multitasking
Storage	SSD 1 TB + HDD 3x 4 TB	1 TB SSD storage allowing for quick loading into windows, SmartSEM and any additional software running on the workstation, included is 6 TBs of RAID-1 storage, storage with redundancies, all information is backed up and stored on more than one drive, keeping data safe from loss
Graphics	NVidia Quadro M2000 4x Display Port output	A dedicated graphics processing card, with built-in RAM, not limited by system RAM or processor usage, giving a 300 % graphical processing power increase

## Display upgrade to match the new high-resolution workstation

Monitor	TFT monitors available in 24" 16:9 or 34" ultrawide screen size	Large and ultra-wide TFT technology to give high contrast, great clarity and extra sharpness to your images <b>Display Port connectivity required for NVidia graphics</b>
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## Availability

- Crossbeam series
- GeminiSEM series
- MERLIN series
- Sigma series
- EVO series\*
- AURIGA series
- ULTRA series
- SUPRA series
- NEON series
- 15xx XB series
- 15xx series

*\*Technical limitations may apply.*

**Please note that SmartSEM v6.05 or higher requires at least a 24" monitor.**



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