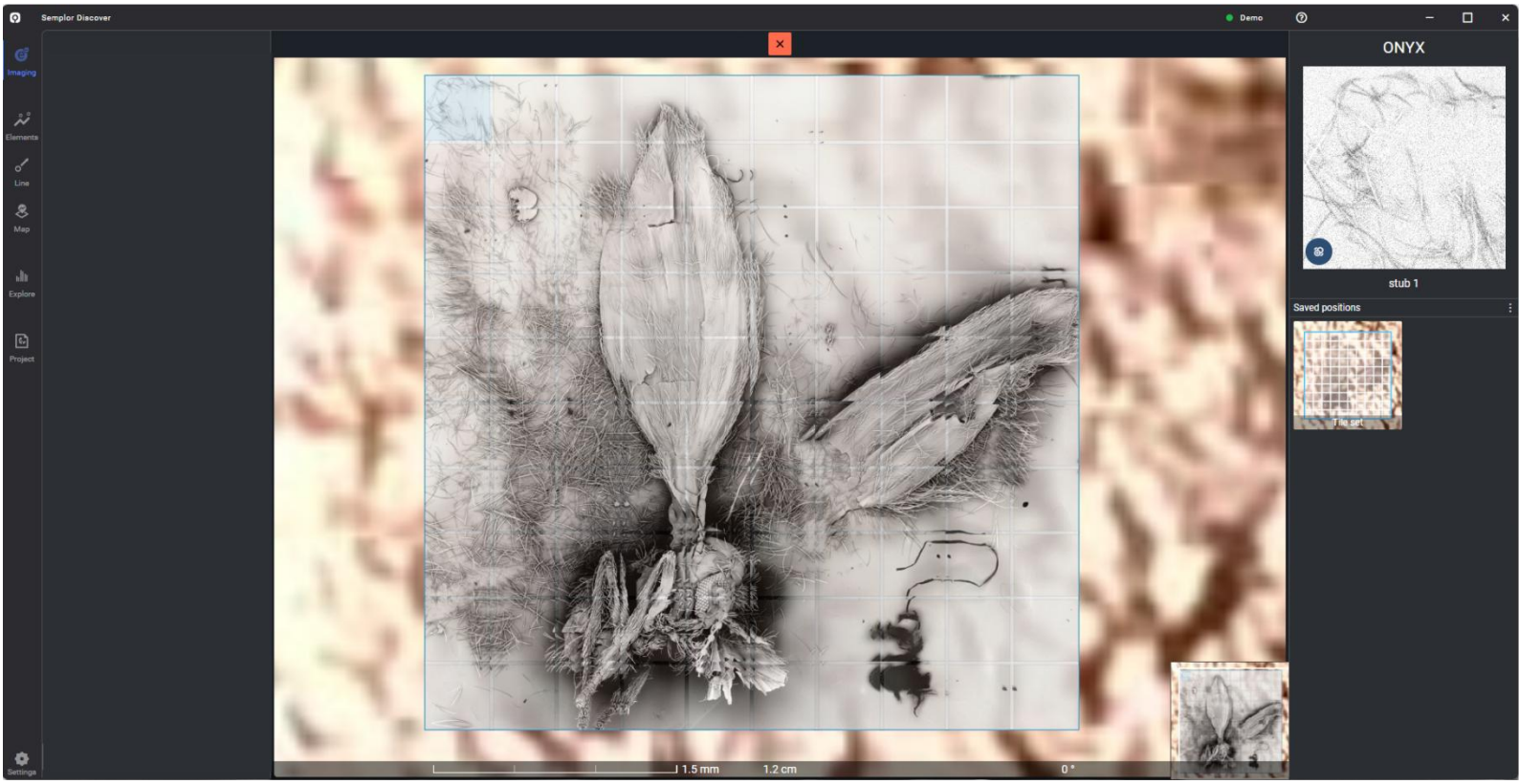
semplor

Software Update v3.28.x | October 2026

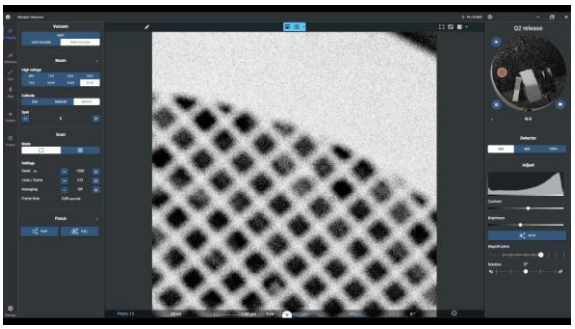
Version 3.28.x is one of our biggest releases so far, built around **automated asbestos analysis**, **tiling** and **multi-stub workflows**. It also adds **support for ONYX**, up to **20% faster imaging**, and a long list of improvements and fixes.



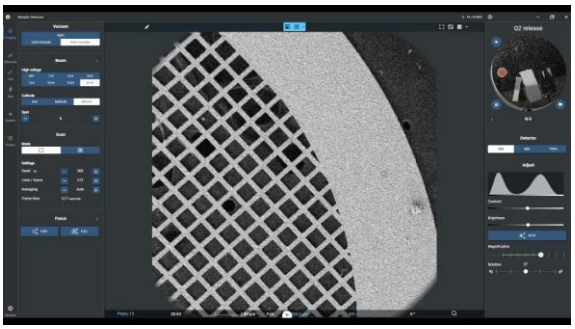
Prager Elektronik

Highlights

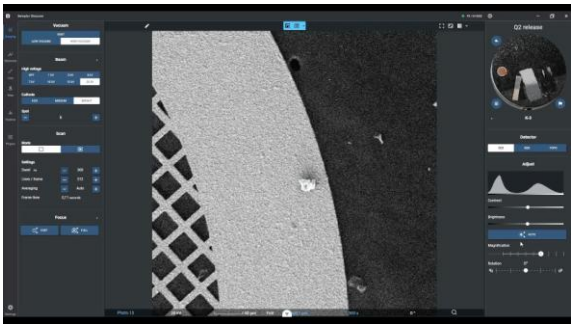
- **Explore Asbestos**: fully automated asbestos fiber analysis, built right into the software. See the section below for details.
- **Tiling**: mark a region and capture it as a grid of tiles. You can pan and zoom through the result at full detail, or export it to Explore for further analysis. (currently only for Explore license customers)
- **Focus anywhere**: select any spot in the frame and focus on it directly. The overview stays in place while a live inset takes care of focusing.
- **Magnify area**: drag a box over the region you're interested in, and the stage and magnification adjust in a single step.
- **Adaptive averaging**: averaging builds up while the view is still and resets as soon as you move. You get clean images when you're looking and a responsive view when you're navigating.
- **Up to 20% faster images** from SEM to screen.
- **Support for ONYX**.



Focus anywhere.



Magnify area.



Adaptive averaging.

Explore Asbestos: Automated Asbestos Fiber Analysis

- **Fully automated workflow**: go from a tiled overview to classified results automatically. You can stop or cancel during capture, and results are saved and updated while the analysis is still running.
- **Reopen, update and store analyses**: return to earlier asbestos analyses and classification results at any time.
- **New classification drawer**: compare against reference and simulated spectra, with multi-point spectrum acquisition for more confident fiber classification.
- **Fiber measurement tools**: dedicated work-area tools, a radial menu, rotate-to-line and focus-on-subframe make fiber measurement faster and more precise.

Tiling & Multi-Stub

- **Tiling capture**: you can set the tile overlap, see processing-time estimates, stop a capture at any time, and view tile sets directly in the navigator. Tiles get clear grid-based names.
- **Multi-stub selection in the navcam**: select multiple stubs directly from the navigation camera image.
- **Multi-stub editor**: define stub areas, select a stub from a list, rotate round stubs, and click to place positions.
- **Stub overview**: a zoomable minimap, plus the option to add points of interest.

EDS & Element Analysis

- **Logarithmic spectrum display**: makes small peaks easier to see.
- **Export MSA from map spectrum**.
- **Queue multiple point measurements** in the Element app.
- **Resizable live SEM image panel** in the Element app.

Platform & System

- **Improved filament-open handling**: extra prompts and buttons guide the user when the filament is open.

Fixes

EDS & maps

- Elements removed from an analysis no longer appear in the individual element maps.
- Map images of single elements are shown again.
- EDS concentrations on project thumbnails are now correct.
- Thumbnails refresh when EDS map colours are changed and resaved.
- Spectrum tiles show weight % again instead of atomic %.
- The live spectrum is no longer cleared before saving.

Line scan

- Saving a line scan now works reliably.
- The scale in the line scan report is correct.
- Line profile MSA export is fixed.

Imaging & navigation

- Live image measurements now save correctly on the image.
- Navigating to an area works in wide aspect ratio mode.
- The alignment camera no longer slows down after repeated use.
- Scan settings no longer reset when capturing a fiber snapshot.
- The conflict between recommended maximum magnifications is resolved.
- “Move to saved position” is now disabled while the system is vented.

Projects & system

- Outdated entries in “previous projects” no longer cause an invalid state.
- Missing thumbnails now appear.
- Invalid licenses are no longer saved in the app.
- Cancelling a vacuum conditioning cycle no longer leaves part of the UI disabled.
- The inclusion bar is removed from reports when no settings are enabled.
- A memory issue that could occur during ramping is fixed.
- Diagnostics now fall back to a file when needed.
- Various UI fixes, including stuck states and alignment issues.