

LEICA EM ICE FOR HIGH PRESSURE FREEZING

Achieve new scientific insights with optimized cryo-fixation

The Leica EM ICE is a combination of quality and innovation designed to assist researchers in achieving scientific breakthroughs. It is the tool to enlighten new discoveries.



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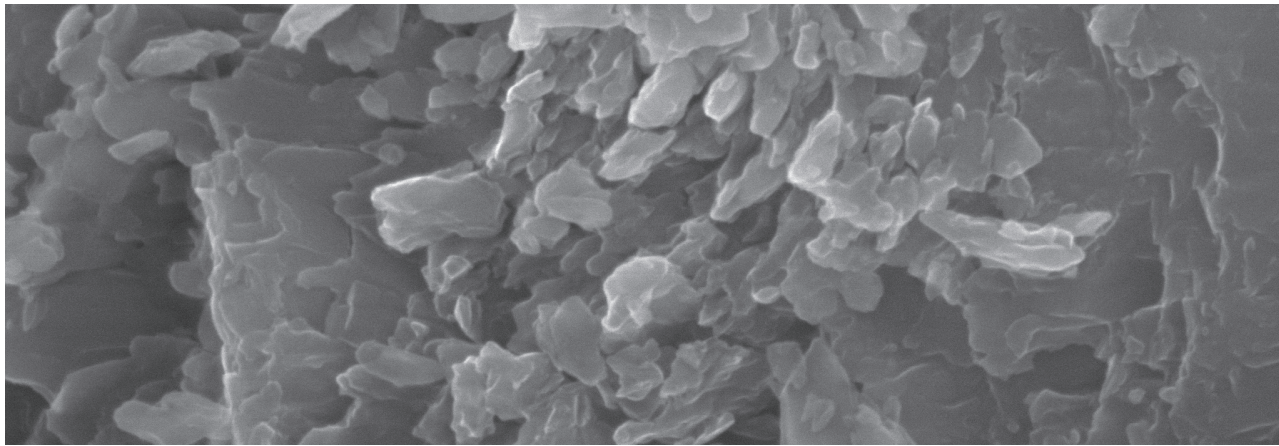
LEICA EM ICE
High Pressure Freezer with fully
Integrated Light Stimulation

BE PREPARED FOR GREAT
RESULTS



CONNECT
WITH US!





LEICA EM ICE WITH LIGHT STIMULATION

Capture dynamic phenomenon on a millisecond scale

The synchronization of light stimulation and high pressure freezing allows the visualization of highly dynamic processes at a nanometer resolution and millisecond precision.



LED light modules with 5 different wave lengths (blue, UV, green, red, amber)

WORKFLOW AND RELATED INSTRUMENTS



Leica EM ICE for high pressure freezing with light stimulation



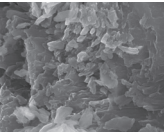
Leica EM VCM for sample transfer to...



...Leica EM ACE600 to fracture and coat the sample



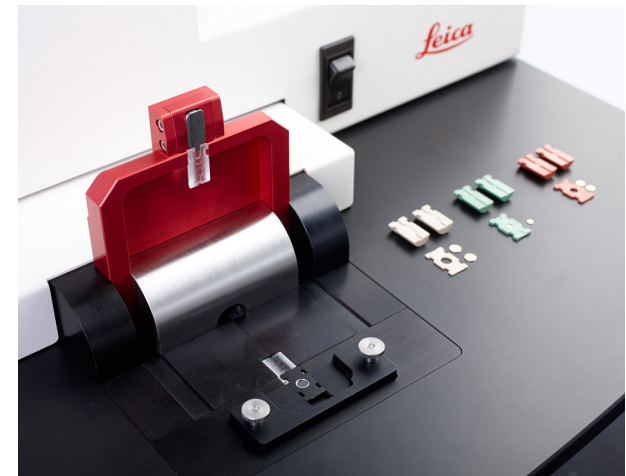
...Leica EM VCT500 for shuttle transfer to the cryo SEM



Cryo-SEM analysis

DISCOVER LEICA EM ICE UNIQUE FEATURES

- ▶ Only 1 minute recovery time between freezing
- ▶ Only 1 second from loading the sample in the carrier to frozen
- ▶ Only 20 minutes to cool down and ready to use
- ▶ Only 30 liter LN₂ daily consumption, including cooling down
- ▶ No alcohol or additional synchronization fluids used in the system
- ▶ Upgradable to light stimulation mode at any time at your work place



One move, fully automated loading of the sample