撮 Shot Meister G2

Imaging Assistant

撮 STEM Meister G2

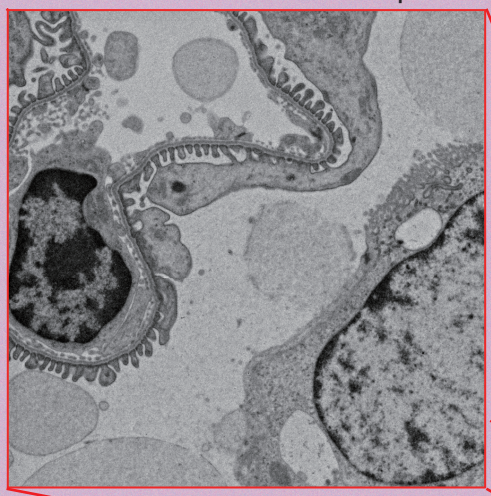
Providing intuitive operational support for high-resolution observation, panoramic wide-field-of-view imaging in addition to enhanced low-dose capabilities. Shot Meister G2 for TEM and STEM Meister G2 for STEM are offered. These are the successor software to Shot Meister and STEM Meister, which were developed in 2010 with the concept of “Anyone Can Take high quality Images” .

Wide-field-of-view imaging

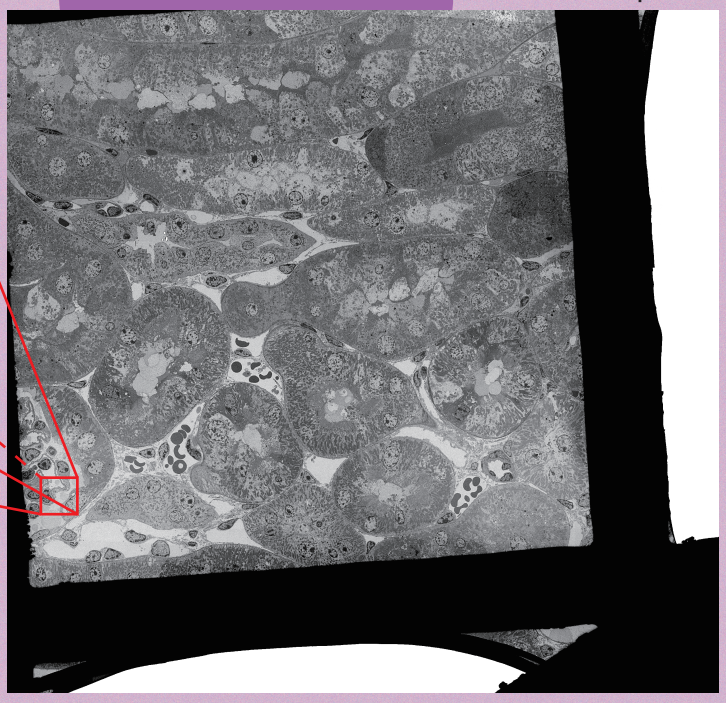
LLP

Limitless Panorama(LLP)

1k x 1k pixels



20k x 20k pixels



Dual control of the stage and deflector coils enables panoramic imaging at an unlimited range of sizes.

35 x 35 images(Total 1225 images) Courtesy of JEOL Ltd.

LLP Viewer

Panoramic images are acquired without any seams or misalignments while post overlapping/stitching the adjacent field of view optimizes large datasets. Multiple areas can be acquired consecutively using the Macro function, and images of the region of interest can be exported. Free viewer software (LLP Viewer) is available at Temography.com. Any PC can show existing montage data by using it.

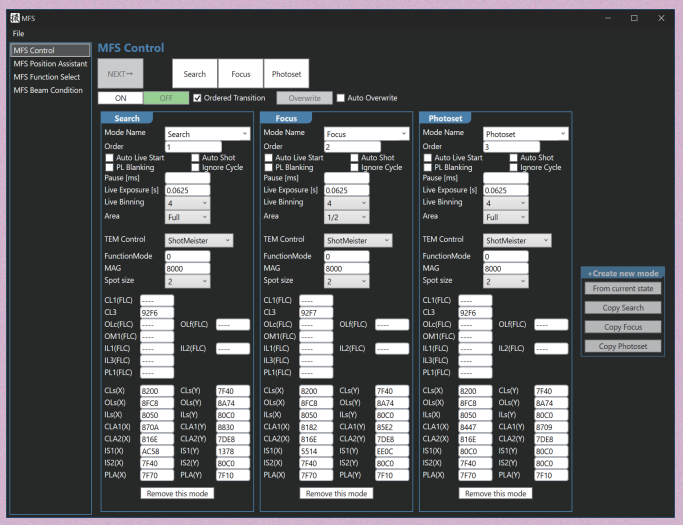
TEMography.com

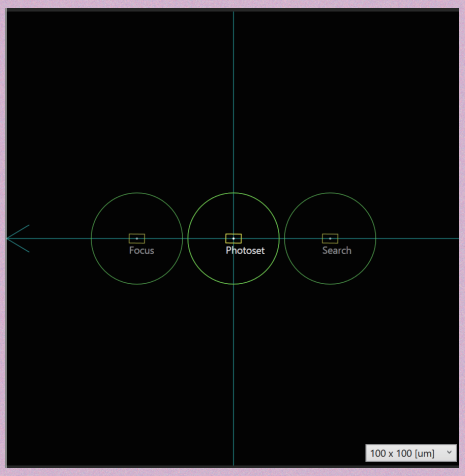
Low-dose imaging

Multiple Function Set(MFS)

＊Only Shot Meister G2

The Minimum Dose System (MDS), which is essential for cryo imaging, has been greatly enhanced and more than 10 modes/conditions can be set. Not just the deflector coil system, but also almost all functions related to the TEM and camera system are subject to preset conditions allowing semi-automatic imaging beyond the original purpose of MDS.





MFS Position Assistant function graphically confirms and sets the field of view and electron beam irradiation range/dose. Low-dose electron tomography tilt series datasets can be performed with Recorder.

Recorder

For more information about electron tomography, visit TEMography.com.

Other Features

In Live images, real-time filters for various purposes such as FFT, edge enhancement and noise reduction are available. Practical functions such as Auto Focus are provided with an intuitive user interface. Additionally, Frame Division can be set at acquisition to reduce drift effects and support high-resolution observation.

Specifications

Shot Meister G2

TEM	JEOL
OS	Windows10(64bit), Windows11(64bit), Windows Server 2016, Windows Server 2019
CCD/CMOS Camera	JEOL, Gatan, TVIPS, EMSIS(without TOLARA)

STEM Meister G2

TEM	JEOL
OS	Windows10(64bit), Windows11(64bit)
Scan Controller	JEOL

Contact

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