





CMS196M Motorised Cryo Correlative Stage

Correlative Light and Electron Microscopy (CLEM) combines the high sensitivity of fluorescence imaging for locating biological events with the very high structural resolution of electron microscopy (TEM).

Building on the great success of the original CMS196 Cryo-correlative stage for CLEM, Linkam have now launched the new, fully motorised version.

The new CMS196M includes a fully automated XY mechanism with high resolution optical encoders ensuring precise co-ordinate location. Combined with our new software and range of cameras, it is now easy to capture high resolution maps of the entire grid.



	<p>Coordinate system mapping</p> <ul style="list-style-type: none"> ➤ Find the sample, again ➤ Calibrate and map coordinate systems
	<p>Sample interface</p> <ul style="list-style-type: none"> ➤ To allow interchange between EM and LM ➤ Handling of delicate EM grids
	<p>Condensation / Contamination</p> <ul style="list-style-type: none"> ➤ Avoid condensation in optical system ➤ Prevent sample contamination
	<p>Keep samples vitrified</p> <ul style="list-style-type: none"> ➤ Sample temperature needs to remain below -140 degrees

Solved in
Linkam Cryo-
Stage together
with the
research
community.

We'll be demonstrating and discussing how the CMS fits into the EM workflow to provide solutions to some of the challenges that CLEM poses. Come along and see what's new.