

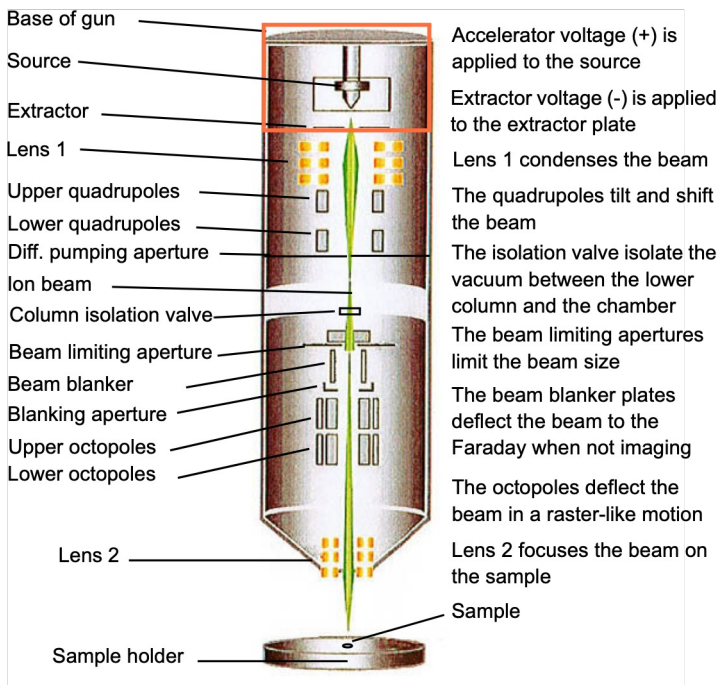
# Zeiss ORION NanoFab at BNC 1089

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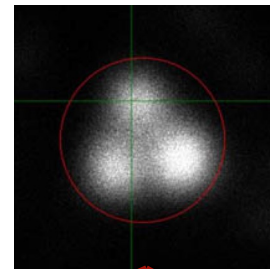


The Zeiss ORION NanoFab provides cutting-edge capabilities for nanoscale imaging and nanofabrication. This revolutionary helium ion microscope offers a wide range of functions, including high-resolution imaging, analysis, nanofabrication, and materials characterization.

The system uses high-brightness, highly focused ion beams that have only recently become available for research applications, enabling many new possibilities across a broad range of fields. The ion beam size can reach approximately **0.5 nm**, providing extremely high spatial resolution. The instrument can operate with both helium (**He**) and neon (**Ne**) ion sources, allowing users to optimize imaging and nanofabrication conditions for different materials and applications.



Trimer: three tungsten atoms at the tip's apex



Milling

Imaging

