



POSITION: CLEANROOM PROCESSING ENGINEER/SCIENTIST

May 2017

Applied Nanotools Inc. (ANT) is a leading nanofabrication and photonics company specializing in X-ray optics and silicon photonics. Applied Nanotools' state-of-the-art x-ray optics and silicon photonics products are used in advanced research worldwide. X-ray optic products with 15 nm half-pitch provide the world's highest resolution optics for soft to tender hard x-rays. The nanoSOI platform is accessed by universities and companies worldwide for fast turn-around photonic fabrication.

Summary of Position:

Applied Nanotools Inc. is seeking candidates for a full-time cleanroom process engineer/scientist to assist in the development of state-of-the-art DUV and X-Ray diffraction optics. Work will include operations in the multi-user cleanroom at the University of Alberta's *nanoFAB* facility. Work will require experience in various aspects of nanofabrication including:

- Electron beam lithography
- Plasma etching (RIE, ICP-RIE)
- Photolithography
- Physical vapor deposition
- Packaging
- Device characterization (AFM, SEM, TEM, etc.)

Interested applicant may forward a cover letter and CV to: careers@appliednt.com.

Qualifications:

- M.Sc. or PhD degree in Physics, Chemistry, Materials Sciences or Engineering with cleanroom experience
- Work experience in related field preferred