



**Position:** Process Engineer  
**Job Status:** Regular Full Time  
**Location:** Thurso, QC, Canada (Ottawa-Gatineau Region)  
**Reports to:** Manager, Production / Research & Development

### The Position:

The Process Engineer will develop, optimize and problem solve manufacturing processes in a manner that meets safety, quality, and operational performance expectations. These processes are critical to the success of Nanotech's nano-optic and micro-optic product lines. The position is heavily hands-on in establishing and optimizing settings of manufacturing machinery and provides a unique opportunity to work with cutting-edge nano-optical devices at both lab and industrial scales. The Process Engineer will have the opportunity to contribute to the company's R&D and Production by working with our team to develop solutions for a wide range of customers and industrial applications.

### Key Responsibilities:

- ◆ Development – Lead process development of new opportunities and process improvement of existing products. Develop options, perform thorough analyses, and make recommendations. Assist management in understanding timelines, dependencies, and constraints.
- ◆ Communication – Maintaining and updating documentation such as standard operating procedures. Delivering regularly scheduled reports on time and with high quality. Communicating processes to R&D and production staff with a focus and safety and quality.
- ◆ Production – Assist in meeting the production needs of the site.
- ◆ Organization – Ensure all materials are filed following agreed conventions.

### Qualifications and Experience:

- ◆ Experience – 5+ years' experience in a hands-on process development role working closely with manufacturing.
- ◆ Education – B.Sc./B. Eng. or equivalent.
- ◆ Technical – Understands the fundamentals of a solid manufacturing process.
- ◆ Characteristics – Motivated, self-driven professional. Ability to prioritize work and meet deadlines while working on multiple tasks. Enjoys working with a multi-disciplinary team.
- ◆ Other – Capable of lifting 50 lbs.
- ◆ Assets – Experience with roll-to-roll machinery & processes and UV/thermal curing resins. Worked in a dynamic environment with growing manufacturing opportunities. Experience in large-scale printing, printed electronics, hologram manufacturing, or display manufacturing.



## **About Us**

*Where ideas and innovation meet.*

Nanotech Security Corp. is a leading innovator of nano-optic image technologies used in anti-counterfeiting applications. With billions of security features in circulation, Nanotech's products include secure and memorable security labels, stripes, patches, and colour-shifting films for currency authentication and brand protection.

KolourOptik is a patented technology that is exclusive to the government and banknote market and combines sub-wavelength nanostructures and microstructures to create modern overt security features with a unique and customizable visual effect. KolourOptik pure plasmonic colour pixels produce full colour, 3D depth, and movement used in security stripes and threads that are nearly impossible to replicate. At less than 5 microns thick, KolourOptik products seamlessly integrate into banknotes and other secure government documents.

LiveOptik is a patented technology that utilizes innovative nano-optics one tenth the size of traditional holographic structures to create next generation overt security features customized to our customers' unique requirements. LiveOptik delivers multi-colour, 3D depth, movement, and image switches for secure brand protection stripes, threads, and labels that are nearly impossible to replicate.

Nanotech is a public company, listed on the TSX Venture Exchange. Nanotech strives to create a corporate culture that values input and encourages individuals to express themselves in a team environment.

## **To Apply**

Applications will be accepted until the position is filled. Please email your resume to [careers@nanosecurity.ca](mailto:careers@nanosecurity.ca), include a cover letter, and use the position title in the subject line of your email. Only candidates considered for an interview will be contacted. Thank you for your interest in this position, we look forward to hearing from you!

**Note:** *Only Candidates who are eligible to accept employment in Canada WITHOUT sponsorship will be considered.*