



**Job Title:** Materials & Process Specialist/Engineer

**Job Location:** Ajax, ON

**Job Field:** Engineering

**Employment Type:** Full Time – Permanent

Besnovo (formerly BRIC Engineered Systems) is a pioneer in robotic laser de-coating technology and an expert in complex and intelligent robotic technologies. Besnovo has a track record of developing highly automated robotic laser de-coating solution for the aerospace and other industries.

The successful candidate will work with laser and material experts to develop efficient and safe laser de-coating processes for removing aircraft paint. This position will report to the CTO.

**Responsibilities:**

- Develop and execute material characterization plans for evaluating the safety of laser-processed aircraft metallic and composite materials
- Conduct material tests, analyze testing results, and write test reports
- Prepare documentation related to material acquisition, production, and testing to support product certification
- Coordinate research projects and material tests with external parties
- Support the development of an efficient laser de-coating process that is safe for aircraft surfaces
- Participate in the development of evaluation criteria for assessing aircraft materials that are processed by laser de-coating
- Support the procurement and quality inspection of test samples
- Travel may be required for material testing at third party sites

**Qualifications:**

- The applicant **must** have a bachelor's degree or higher in Material Engineering, Mechanical Engineering, Aerospace Engineering or similar fields from a CEAB-accredited or ABET-accredited engineering program
- The applicant **should** have a minimum of 1 year of experience working in a lab environment (co-op and graduate studies work will be considered)
- The applicant **must** be capable of hands-on lab work
- The applicant **must** have an in-depth knowledge of fracture mechanics and fatigue properties
- The applicant **must** have knowledge of metallic and composite aerospace materials (Al-2024-T3, CFRP, GFRP, Etc.)
- The applicant **should** have knowledge of mechanical test methods and microscopy techniques
- The applicant **should** have experience conducting mechanical testing and microscopic evaluation
- The applicant **should** have knowledge of paints, surface chemistry, and adhesion science
- The applicant **should** have knowledge of aircraft structures and components
- The applicant **must** have the ability to work with external partners and build strong working relationships
- The applicant **must** have strong written and oral communication skills
- The applicant **must** be capable of producing high quality external documents with minimal supervision
- The applicant **must** have a desire to learn and adapt with the project

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**Besnovo Technologies Inc.**

(formerly BRIC Engineered Systems Inc.)

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[www.besnovo.com](http://www.besnovo.com)



- The applicant **must** be a team player who enjoys working in a vibrant and fast pace environment

**How to apply:** *Qualified applicants should send a cover letter and a resume to:*  
[humanresources@besnovo.com](mailto:humanresources@besnovo.com).

*Thank you for your application. Only candidates selected for interview will be contacted. Besnovo Technologies Inc. is committed to accessible employment practices which are compliant under AODA and support equal opportunity. If you require any accommodation throughout the recruitment process, please advise Human Resources at [humanresources@besnovo.com](mailto:humanresources@besnovo.com) . All personal information is collected under the authority of PIPEDA.*

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