



Job Title: Laser Application Specialist

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 within the Engineer Department to develop efficient and safe laser de-coating processes for removing aircraft paint. This position will report to the Chief Technology Officer.

Responsibilities:

- Selecting and evaluating laser and corresponding optical and opto-mechanical equipment to meet laser de-coating requirements.
- Develop and execute laser test plans to evaluate laser de-coating efficiency and substrate safety
- Develop a laser operation process to achieve safe and rapid de-coating
- Design and develop new process ideas to facilitate the laser process experiments
- Analyze laser process data and report to experts on the field
- Perform literature review and write technical reports to provide feedbacks to the experts.
- Assist in developing and implementing of laser safety guidelines, procedures, and staff training
- Travel may be required for system testing and commissioning

Qualifications:

- B.Sc or equivalent in Physics, Engineering Physics, Photonics, Electrical Engineering, or equivalent, M.Sc or higher preferred
- 3-5 years related working experience
- Experience in high-power laser operation and application, especially CO2 laser
- Hands-on optical laboratory skills, including optical handling, assembly, and alignment
- Knowledge of laser-material interactions involved in laser ablation
- Thorough knowledge of optical and laser testing equipment
- Understanding of fundamental electrical and mechanical engineering concepts
- Experience in programming and data analysis using MATLAB
- Experience in thermodynamics and thermal propagation in material is considered an asset
- Experience in software interfacing is considered an asset
- Strong written and oral communication skills
- Strong critical thinking, problem-solving and team play skills

How to apply: *Qualified applicants should send a cover letter, resume and transcript to: humanresources@besnovo.com.*

Thank you for your application. Only candidates selected for interview will be contacted. Besnovo 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. All personal information is collected under the authority of PIPEDA.

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