



## About ficonTEC

ficonTEC is a leading Automation Machinery Manufacturing company at the forefront of incorporating Photonics into cutting-edge solutions. Specializing in precision automation, we leverage optical and mechanical engineering to drive innovation in various industries. We are excited to offer an opportunity for a talented Opto-Mechanical Engineering Intern to join our team and contribute to the development of state-of-the-art Photonics Automation Machinery.

## We are hiring

**ENTRY LEVEL: Opto/Mechanical Internship (Co-op) Part Time**

## Your responsibilities

As an Opto-Mechanical Engineering Intern, you will play a crucial role in the design, development, and integration of photonics technologies into our automation machinery. This internship provides a unique hands-on experience, allowing you to work on challenging projects that combine optical and mechanical engineering principles in an industrial automation setting.

### Key Responsibilities:

**Hardware Testing and Troubleshooting:** Conduct hardware testing and troubleshooting to identify and resolve any issues related to hardware functionality or integration with photonics systems.

**Photonics Integration:** Work closely with photonics engineers to integrate optical components such as lasers, sensors, and imaging systems into hardware platforms, ensuring compatibility and functionality.

**CAD Modeling and Prototyping:** Utilize CAD software to create detailed 3D models of opto-mechanical hardware components. Participate in prototyping and testing to validate designs and optimize performance.

**Opto-Mechanical Hardware Design:** Collaborate with the engineering team to design and develop hardware components that seamlessly integrate with optical systems, ensuring precision and reliability in automation machinery.

**Hardware Installation:** Assist in the installation of hardware components within automation machinery, ensuring proper alignment and functionality with photonics systems.

**Alignment and Calibration:** Participate in the alignment and calibration of optical systems within hardware platforms, ensuring optimal performance and accuracy in automation processes.

**Documentation and Reporting:** Maintain detailed documentation of hardware installations, including procedures, specifications, and troubleshooting efforts. Prepare reports summarizing findings and recommendations.



**Collaboration and Communication:** Collaborate effectively with cross-functional teams including optical engineers, hardware engineers, and field technicians. Communicate progress, challenges, and solutions clearly and concisely.

#### Your profile

- Pursuing a Bachelor's or Master's degree in Opto-Mechanical Engineering, Mechanical Engineering, or a related field.
- Strong understanding of optics and photonics principles.
- Proficiency in CAD software (e.g., SolidWorks).
- Hands-on experience with opto-mechanical systems or photonics components.
- Excellent problem-solving and analytical skills.
- Effective communication and collaboration skills.

#### We offer

- This is a 12-month position, with the potential for extension based on performance and business needs.
- Competitive compensation.

#### Your application

Are you interested? Then please send us your application, motivation letter and CV including your salary expectations in English. The contact persons will be Johnnie Greene and Marvin John Gow.

[Marvin-john.gow@ficontec.com](mailto:Marvin-john.gow@ficontec.com)

[Johnnie.greene@ficontec.com](mailto:Johnnie.greene@ficontec.com)