

## NPI Engineer

POSITION SUMMARY	
<b>Title</b>	NPI Engineer
<b>Division</b>	R&D
<b>Location</b>	Montreal, Canada
<b>Industry</b>	Electronic Test and Measurement Equipment
<b>Employment Type</b>	Full-Time
<b>Experience</b>	Intermediate Level

### COMPANY OVERVIEW

Founded in 2012, **Introspect Technology** designs and manufactures innovative test and measurement equipment for high-speed digital applications. Whether it is the next augmented reality headset or the level-4 autonomy engine in a mobility solution, our award-winning tools are used to develop, test, and manufacture next-generation products. In short, we help the leading global technology companies **make tomorrow's technology today's possibility**.

### WHY INTROSPECT

#### DRIVE TOMORROW'S TECHNOLOGY

At Introspect, we are solving the most difficult problems encountered in electrical engineering with a passionate team that is inventing the world's most innovative test instruments. You will be part of a company that creates state-of-the-art test and measurement equipment — tools which will empower engineers to produce their finest work. You will not only make a meaningful difference in our customers' careers, but you will also impact the lives of people around the world with work that propels global innovation forward.

#### COLLABORATE WITH DRIVEN COLLEAGUES

You will work with a team of diverse and intelligent colleagues as well as with customers at the top technology companies in the world. At Introspect, you will gain a rich, multi-disciplinary experience with colleagues and mentors committed to helping you learn and achieve your career goals.

#### PURSUE YOUR PASSIONS

We will provide the support you need to do what you love and help you pursue a career which aligns with your values, passions, and aspirations. We also offer a competitive employee benefits package that includes medical and dental coverage. Join us to achieve your maximum potential, produce the best work of your career, and deliver meaningful value to customers.

## JOB DESCRIPTION

Introspect Technology is seeking an outstanding **NPI Engineer** to join the R&D team in Montreal. Within this role, you will collaborate on the introduction of new and evolving technologies within manufacturing, owning the DFM (Design for Manufacturing) and DFA (Design for Assembly) for all printed circuit boards and assemblies. You will oversee the initial builds at SMT and PCBA assembly, taking ownership of any necessary corrective actions. This role is technical and requires a solid understanding of PCB and PCBA design standards. You will be guiding, motivating, mentoring, and leading a small group of PCBA manufacturing experts and working alongside experts in R&D.

This position offers a unique opportunity to experience what it is like to be on the forefront of innovation and to contribute to a rapidly growing global technology company. The ideal candidate is a driven, self-motivated, and highly cooperative top performer who thrives in a flexible continuous-improvement environment. The ideal candidate also possesses characters of good judgment, great communication, and effective leadership. He/she is very helpful to his/her peers.

## RESPONSIBILITIES

- Organize and prioritize daily progress on NPI PCBA projects
- Review manufacturing and R&D documentation for accuracy (PCBA design files, schematics, BOMs, assembly drawings, work instructions)
- Assign, schedule, and report on the team's ongoing tasks and projects
- Take ownership and assist with the first time builds of new PCBAs at SMT and PCBA assembly
- Build relationships and engage with the various R&D and manufacturing teams to provide DFM feedback and discuss design and process optimization
- Work in concert with the Hardware Engineers, Product Engineers, and Test Developers with implementation plans and other ongoing NPI activities
- Monitor the product roadmap and discuss long-term implications with the manufacturing process, test, and support teams
- Help continually improve our NPI processes for long term sustainability, efficiency, and effectiveness
- Transfer knowledge into and assist the Production Team
- Motivate and coach team members to cohesively meet set goals and implement improvements

## QUALIFICATIONS

- Bachelor's degree in electrical engineering or equivalent work experience in a manufacturing or manufacturing interfacing environment
- Minimum of 5 years of experience in an electronics-manufacturing environment that included exposure to PCBA manufacturing processes and procedures
- Minimum of 2 – 3 years of experience as a team leader
- Experience performing DFM analysis and creating detailed DFM reports in the field of PCB's and Assemblies
- Advanced skill level with standard office tools (Word, Excel, Access, Outlook)
- Experience with Valor DFM software is an asset
- Education/experience using CAD modeling tools (AutoCAD, Inventor, etc.) is an asset
- Experience with MES, PLM, and ERP systems is an asset
- Ability to work well with technical and non-technical staff
- Well-organized, persistent, attentive to details and accuracy
- Exceptional English written and verbal communication skills
- Ability to make the best choices based on the company's best interests

## APPLICATION PROCESS

Please email your resume to [careers@introspect.ca](mailto:careers@introspect.ca) with the subject line "AD-F026-E-23137 – NPI Engineer". **Applications will be considered on a rolling basis.**