

MONTREAL, Metrologist, full-time, in-person

Puzzle Medical is developing a percutaneous heart pump for patients with advanced heart failure. The device's modular design allows for safe percutaneous implantation to support both renal and cardiac function through 4mm-pumps anchored in parallel in the descending aorta, allowing stability for patient mobility, mechanical hemodynamic support, helping patients with increased accessibility, improved quality of life, and reduced hospitalizations. To date, Puzzle Medical has successfully: completed a [Seed financing round](#) (2022); completed a [Series A financing round](#) (2023); completed its [4 patients first-in-human study](#) with all patients experiencing improvements in cardiac and kidney function (2022); received U.S. Food and Drug Administration (FDA) [Breakthrough Device Designation](#) (2021).

POSITION SUMMARY

Puzzle Medical Devices is seeking a Metrologist to join our team. This role is integral to ensuring the precision and quality of components used in our life-saving medical devices. The successful candidate will be responsible for conducting meticulous inspections, measurements, and analyses of parts and prototypes, ensuring they meet the high standards required for medical use.

ROLE AND RESPONSIBILITIES

- **Precision Measurement and Inspection:** Utilize advanced metrology tools and techniques to perform accurate measurements and inspections of medical device components and assemblies.
- **Quality Assurance:** Ensure that all parts and prototypes adhere to specified dimensions, tolerances, and quality standards. Identify and document any deviations or non-conformances.
- **Quality Control:** Develop inspection procedures, inspect internally manufactured parts, receive and inspect parts and assemblies from external suppliers, manage rejections and non-conformities.
- **Data Analysis:** Analyze measurement data to identify trends, variances, and potential issues. Provide detailed reports and recommendations to the engineering team.
- **Collaboration:** Work closely with the engineering, manufacturing, and quality assurance teams to resolve issues and improve product quality and consistency.
- **Continuous Improvement:** Contribute to the development and refinement of inspection processes and methodologies to enhance efficiency and effectiveness.

QUALIFICATIONS

- Technical degree in metrology, mechanical engineering, or a related field.
- Minimum of 3 years of experience in metrology or quality inspection, preferably within the medical device industry.
- Proficient in the use of metrology tools and software, with a deep understanding of measurement principles and practices.
- Strong analytical skills, with the ability to interpret complex data and make informed decisions.
- Excellent communication skills, with a collaborative spirit and attention to detail.

ASSETS

- Experience in the medical device industry
- Experience with CMM programming
- Experience with CAD