Process/manufacturing Engineer

About Us

At ABK Biomedical, based in Halifax, Nova Scotia, we're transforming interventional radiology through the development of proprietary embolization technologies that enhance the treatment of hypervascular tumors and improve patient outcomes.

Led by a seasoned leadership team, backed by $30M in recent Series B funding, and driven by a talented group of scientists, engineers and support personnel, we're poised to commercialize our novel radiopaque microspheres technology throughout multiple markets.

Process / Manufacturing Engineer

We're searching for a Process Engineer to own the management, improvement and performance of our manufacturing equipment, processes, products and resources. Reporting to the Director of Engineering, in this role you'll manage projects, deliver cost savings, and implement best practice methodologies to optimize our high temperature and chemical processing operations.

As an ideal candidate for this role, you're an experienced Process Engineer with a solid background in chemical or high-temperature material processing. You're a technical leader with a firm grounding in project management best practices. You thrive in a fast-paced, high-performance environment, and you're a natural leader, collaborator and problem-solver.

This is an outstanding opportunity for an intermediate-level engineer to join a fast-growing medical device start-up and play a key role in commercializing a ground-breaking new technology.

Key Responsibilities

Be the expert in developing and optimizing the processing techniques to produce high-precision microspheres from raw materials.

Be the primary subject matter expert to resolve processing problems.

Monitor equipment and process flows to ensure high levels of performance.

Monitor process performance in terms of personnel, equipment and process capability, material inputs and planning demands.

Collaborate with our Manufacturing Manager to set out and present plans for the improvement of processes, efficiencies and production methodologies.

Manage the design, implementation and validation of capital projects using effective project management tools and techniques, in compliance with essential regulatory requirements.

Oversee equipment maintenance and calibration.

Continuously focus on ways to reduce change-over times and scrap, and limit non-value-added activities.

Assess standard costs assigned to processes through measurement of Takt times and resource requirements. Make recommendations of appropriate changes to the management team (followed by implementation of agreed changes).

Generate and maintain ECOs, protocols, and reports, in compliance with essential regulatory requirements.

Participate in validation requirements on new equipment introductions / processes / process changes.

Manage the implementation of Lean activities to improve process layout and line ergonomics.

Ensure process controls are implemented as required.

Key Qualifications

Degree in a relevant discipline such as Chemical or Mechanical Engineering.

3+ years' experience in the processing and/or manufacture of glass or related materials.

Experience in high-temperature processing of materials is an asset.

Experience collaborating with, and managing cross-functional teams (Marketing, Production, Quality, Regulatory) to develop and implement solutions over a wide and varied scope.

Working knowledge of Medical Device Quality & Regulatory requirements is an asset.

Experience applying Lean tools/Six Sigma techniques to improve processes and performance. Green or Black Belt certification an asset.

Excellent communications and interpersonal skills.

Creative thinker; idea generator; solutions-, results- and action-oriented.

Highly organized, with exceptional attention to detail and problem-solving acumen.

Well-suited to a small, fast-paced start-up environment.