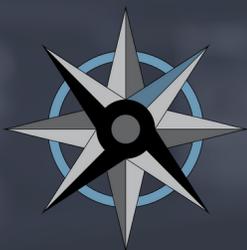


northeastbiomed.com

Leaders in Medical Device Development



**Northeast
Biomedical**

Capabilities

Northeast Biomedical is your full-service partner for medical device development and contract manufacturing. We solve tough engineering problems, accelerate timelines, and help you own your success—from concept to commercialization.

With our ISO 13485-certified, phase-gated development process, we plug in where you need us most and integrate seamlessly with your team. Then we hand off the technology cleanly—so you're always in control.

Services

We offer a wide range of services to fulfill all of your medical device development needs:

- Product Development Services
- Engineer on Call Service
- Ideation Workshop
- Disposable Design & Development
- Electromechanical Instrumentation Design & Development
- Low Volume Contract Manufacturing
- Automation and Robotics
- Fractional Executive and Strategic Planning

Extensive Facility Capabilities



Dedicated lab and manufacturing areas



Fully stocked model shop with machining capabilities



Specialization in disposable medical devices, automation systems, testing instrumentation and electronic consoles



Low volume contract manufacturing and market launch support



Over 275 years of collective experience in the medical device industry

We have customers spanning the globe:



Follow us on Social Media:



LinkedIn



Instagram

Leadership Team



Tim Looney, MS, MBA
President & CEO



Elizabeth Nelson, PhD
Director of R&D



Jeremy Bernier
Director of Operations



Philip Andrusin, MS
Director of Engineering



Jack O'Callaghan
Director of Business Development

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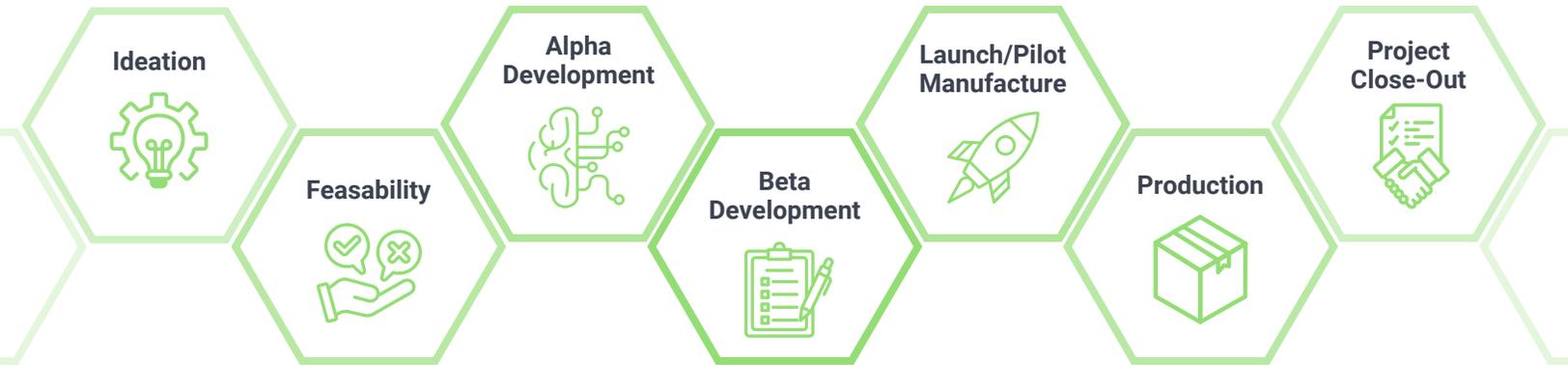


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Proven Product Development Method



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More About Our Services

Product Development Services

Northeast Biomedical is a full-service product development company with decades of experience delivering innovative solutions in the medical technology space. Our multidisciplinary team supports projects at any stage of development—from early concept generation to design transfer and clinical trial readiness.

Whether you're starting with a sketch on a napkin or refining a working prototype, we help bring your ideas to life through a structured, ISO 13485-certified process that ensures quality, traceability, and compliance every step of the way.

Engineer on Call Service

Need expert engineering support—fast? Northeast Biomedical offers Engineer On-Call Services to give you immediate access to qualified, experienced professionals who can plug into your project and deliver value without delay.

Our engineers provide flexible, contract-based support tailored to your timeline, technical scope, and development goals. Whether you're facing bandwidth issues, navigating a design challenge, or need to accelerate a specific phase of your program, we're ready to help.

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Ideation Workshop

Our Ideation Workshop is an intensive, fast-paced session designed to unlock innovation and accelerate problem-solving. Tailored to your team's needs, the workshop brings together cross-functional experts to explore product ideas, technical challenges, and manufacturing strategies—all in a highly focused, collaborative environment.

In just a few hours, we guide you through a structured process that can generate multiple viable concepts, uncover hidden opportunities, and outline practical next steps. It's a capital-efficient way to spark momentum—whether you're launching a new product, refining a design, or addressing a complex technical hurdle.

Disposable Design & Development

Our decades of experience in disposable design and development have grown our inventory of catheter components, luers, extrusions, balloons, mandrels, and other components that allow us to prototype quickly and efficiently. In addition to the prototype of components, we have a full line of specialized equipment for construction and processing of medical devices and catheters. This equipment includes tip forming, heat forming, balloon bonding, stent crimping, balloon pleating, adhesive dispensers, UV cure systems, and a full suite of measuring tools for leak or burst testing.

Our test equipment includes both hydraulic and pneumatic leak/burst test systems, noncontact dimensional measurement, full mechanical inspection devices, and digital force gauges. All the devices have the option of being built in a clean room.

Automation and Robotics

Northeast Biomedical has a proven track record in developing custom automation and robotic systems that improve efficiency, reduce labor constraints, and enhance product quality across the medical device lifecycle.

We design automation solutions for a variety of applications—from R&D processes and functional testing to assembly, packaging, and production-line integration. Whether you're scaling up a new process or increasing the reliability of a repetitive task, we help make it faster, smarter, and more consistent.

Electromechanical Instrumentation Design & Development

What makes Northeast Biomedical different from other medical device companies is our ability to work with both mechanical and electrical aspects of a design. We have an extensive background in the development of instrumentation, which includes everything from automation systems to electronic consoles. We have worked on a variety of programs including machine vision guided robots and sophisticated diagnostic tools for use in surgery and by first responders. The in-house expertise of Northeast Biomedical grants us the ability to efficiently develop and prototype electronics. We can assemble short run circuit boards with our reflow oven and board repair tools.

Low Volume Contract Manufacturing

Northeast Biomedical offers low-volume contract manufacturing services designed to bridge the gap between development and full-scale production. Our manufacturing support helps clients reduce risk, validate concepts, and enter early clinical or pilot markets with confidence.

We specialize in producing fully functional, market-ready devices in small quantities—ideal for investor demonstrations, regulatory submissions, early clinical studies, or initial product launches. This approach gives our clients the flexibility to refine designs and gather real-world feedback before scaling up.

Fractional Executive and Strategic Planning

Bringing a medical device to market involves more than just great technology—it requires experienced leadership, strategic foresight, and a deep understanding of regulatory and business challenges. At Northeast Biomedical, we offer fractional executive support and strategic planning services to help guide early-stage and growth-stage companies through the complex path from idea to commercialization.

For startups and smaller operating companies, hiring full-time C-level talent isn't always practical. That's where our team comes in.

By engaging NEB as a fractional executive partner, you gain access to seasoned leadership without the overhead of a full-time hire. Our involvement adds immediate credibility with investors, grant agencies, and future team members—helping you build confidence and momentum.

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About Our Ideation Workshops

Northeast Biomedical's Ideation Workshop is a powerhouse brainstorming session, focused wherever innovation is desired. This customized workshop is an effective, rapid, and capital-efficient process that can yield multiple product concepts and manufacturing solutions in just a few hours.

What can the Ideation Workshop do for you?

Innovation That Leads to Groundbreaking Solutions

The Ideation Workshop focuses on the efforts of a highly creative engineering team who will address your development or manufacturing challenges with fresh perspectives and systematically look for the most appropriate solution. Our experience in this area allows for groundbreaking solutions that will have the maximum impact on your business.

A Winning Collaborative Process

The team at Northeast Biomedical has decades of experience working as an extension of our customers' development teams. We provide missing skill sets and augment your expertise with new perspectives. The Ideation Workshop is a "roll up your sleeves and get into the action" process where we are all working toward a solution to your challenges.

Adaptability to Meet You Where You are in the Life Cycle

Whether you are early in the concept development process, managing the evolution of a legacy product, or wanting to optimize serial production, Northeast Biomedical's Ideation Workshop brings exceptional value to your company. The process can be focused on whatever challenge you face, whether it is helping to create a new design, refining an existing design, reducing Cost of Goods Sold, revitalizing a legacy product or scaling automation into your serial production, the Ideation Workshop can provide measurable value and efficiencies.

Ability to Reduce Risk

One of the benefits to NEB's approach is that it removes much of the risk and unknowns. If you are on the fence about starting a new program, the information gleaned from the Ideation Workshop will give you confidence that you are heading in the right direction. This, in turn, should reduce your time to market and improve your success rate.

How does it work?

During the Ideation Workshop you will meet with a team of Northeast Biomedical engineers either virtually or in person and participate in a dynamic and creative working session. The Ideation Workshop has been carefully developed after decades of experience and is highly efficient without sacrificing creativity. During the session, the combined team will discuss and ideate many different concepts and solutions. The session will culminate in a structured selection process that identifies the most promising concepts. The output of the session is both the experience of working with, and learning from, the Northeast Biomedical team as well as a final report documenting the results and illuminating the path forward.



What to expect? Results!

Northeast Biomedical's team of engineers are listed on multiple patents and have over 275 years of combined experience working from concept development through high volume manufacturing. Our team has experience with a wide range of products from orthopedics, interventional cardiology, neurology and machine vision to robotics, and artificial intelligence. Our staff brings this depth of knowledge and creativity to the Ideation Workshop, maximizing its benefits to you.

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