



PUTNAM MEDICAL CORPORATION :

SHAPING THE FUTURE OF MEDICAL DEVICE CONTRACT MANUFACTURING

With healthcare providers demanding advanced tools for minimally invasive procedures, and patients expecting safer, more effective treatments, the burden of innovation falls heavily on medical device manufacturers. But behind many of the products improving patient lives today are contract manufacturing partners—companies that bring technical expertise, regulatory knowledge, and operational efficiency to turn groundbreaking ideas into reality. Among these, Putnam Medical Corporation (PMC) has evolved as a trusted partner, combining decades of industry expertise with cutting-edge capabilities to redefine what's possible in medical device contract manufacturing.

Founded in 2020, Putnam Medical may appear young on paper, but it is built on more than 40 years of industry leadership through its association with Putnam Plastics, a global leader in medical device extrusion technology. This legacy has given PMC not only unmatched technical knowledge but also deep insight into the challenges faced by device makers. As President William Appling puts it, "Our customers benefit from a unique combination of interventional device expertise, advanced material science, and a proven ability to take on projects others may not."

What truly sets PMC apart is its ability to engage early in the development cycle, offering clients design-for-manufacturability guidance and seamlessly carrying projects through prototyping, process development, and full-scale production. This continuity ensures that lessons

learned in development directly enhance performance and quality in manufacturing—an advantage that can mean the difference between a product's success or failure in the highly regulated and competitive MedTech market. At the same time, regulatory scrutiny is intensifying, and companies are under pressure to scale quickly without sacrificing quality. PMC addresses these demands by leveraging the advanced technologies and expertise of its sister company, while operating with the streamlined agility of a focused contract manufacturer. From catheter performance optimization to complete medical device assemblies, the company has positioned itself as a center of excellence for high-tech, complex device projects.

One of PMC's core strengths lies in its comprehensive manufacturing capabilities, which span the full lifecycle of a medical device. The company's offerings range from precision machining, laser welding, and catheter shape setting to advanced processes such as braid reinforcement, balloon forming, RF welding, and steerable catheter assembly. This extensive toolkit allows PMC to serve as a one-stop partner, reducing supply chain complexity for clients and enabling faster time-to-market. Clients also benefit from PMC's use of Greenlight Guru, a validated electronic Quality Management System (eQMS) implemented in 2023, which keeps projects organized and compliant across their entire lifecycle. PMC is FDA-registered as a contract manufacturer and maintains ISO 13485 certification, demonstrating its commitment to the highest quality standards. A dedicated quality

assurance and regulatory affairs team ensures compliance with evolving requirements, while working closely with customers to tailor solutions for each product. As Quality Assurance and Regulatory Affairs Manager Holly Lawrence Opalenik emphasizes, “Compliance isn’t just about meeting requirements—it’s about building trust and safeguarding patient outcomes.”

This philosophy has played out in real-world successes. For example, PMC partnered with a startup that lacked internal manufacturing capabilities, guiding its product from prototype to final design. When the startup was acquired by a global device corporation, PMC seamlessly scaled production to meet higher volumes while sustaining rigorous quality standards. In another case, a client seeking to outsource complex catheter manufacturing faced the dual challenge of reducing internal operations while expanding output. PMC not only managed the scale-up cost-effectively but also introduced new technological solutions that strengthened the customer’s product lines. These stories illustrate how PMC doesn’t just manufacture devices—it empowers its clients’ growth and success.

The market for contract manufacturing is increasingly competitive, with companies worldwide vying for leadership. Yet PMC distinguishes itself through a combination of history, innovation, and integration. Its partnership with Putnam Plastics provides unique access to extrusion technologies that form the foundation of many state-of-the-art devices. Its integrated processes ensure data integrity, quality control, and seamless transitions between development and production. And perhaps most importantly, its culture of collaboration keeps it closely aligned with customer needs. “We’ve built our reputation on tackling complex challenges that others shy away from,” says CEO Ryan Dandeneau. “That’s where our engineering expertise truly stands out—every solution we create is driven by a commitment to solving real-world problems.” With strong financial backing and reinvestment in the business, PMC is focused on steady, sustainable growth. The company aims to expand organically at double-digit rates by targeting the most technically challenging device projects—those that demand the highest levels of engineering expertise. By remaining headquartered in Dayville, Connecticut, on the same campus as Putnam Plastics, PMC ensures close collaboration and shared innovation while keeping all resources centralized. This focus enables them to stay competitive against lower-cost offshore manufacturers by delivering unmatched quality and technical sophistication. PMC’s 20,000-square-foot, state-of-the-art manufacturing space in southern New England positions them ideally to serve clients across the U.S. and beyond.



William Appling,
President

Easily accessible from major hubs like Boston, Hartford, and Providence, the facility combines modern infrastructure with the efficiency of a small, agile team. This unique blend of scale and responsiveness makes PMC an appealing partner for companies ranging from startups to global leaders. With a strong foundation, proven expertise, and an unwavering commitment to quality, PMC is not just keeping pace with the industry’s evolution—they are helping to shape it. 



The medical device industry stands at a defining crossroads—where precision engineering meets life-saving innovation. As global healthcare demands continue to rise, the need for high-quality, reliable, and cost-effective medical devices has never been greater. Yet, behind every groundbreaking device that reaches hospitals, clinics, and patients lies a network of specialized partners—medical device contract manufacturers—who transform visionary designs into safe, compliant, and market-ready realities.

Medical device contract manufacturing has evolved from a simple outsourcing function into a strategic partnership model driving the future of healthcare technology. Today's leading manufacturers are not just production experts; they are collaborators in innovation—offering end-to-end services from product design and prototyping to regulatory compliance, precision machining, and sterile packaging.

The industry's rapid growth is fueled by several forces: increasing regulatory complexity, pressure to reduce time-to-market, and the continuous demand for miniaturization, biocompatibility, and smarter devices. As technologies like automation, robotics, additive manufacturing, and AI-driven quality inspection redefine production, contract manufacturers are becoming the critical link between medical innovators and real-world patient impact. They enable original equipment manufacturers (OEMs) to focus on research and innovation while ensuring that every component and device meets the highest standards of precision, safety, and scalability.

In this special edition of Medhealth Outlook Magazine, we highlight the Top 10 Medical Device Contract Manufacturing Solution Providers who are shaping the industry's next chapter.



**Putnam
Medical**

Ryan Dandeneau
CEO

Headquarters
Dayville, CT

Website
putnammedical.com

Putnam Medical Corporation specializes in developing and manufacturing complete medical device assemblies, building on over 40 years of expertise from its sister company, Putnam Plastics. Offering end-to-end solutions—including design, manufacturing, testing, packaging, and labeling—the company delivers innovative, reliable medical technologies with accelerated speed to market and a simplified supply chain, improving quality of life worldwide.

THE STORY BEHIND OUR TOP INNOVATORS LISTING

Products and Services: We thoroughly analyze a company's offerings to assess their quality, uniqueness, and relevance within the industry.

Core Competencies: We examine the core strengths and capabilities that set a company apart from its competitors.

Product Launches and Press Releases: We take into account a company's recent product launches and noteworthy press coverage, as these indicate their commitment to innovation and market presence.

Case Studies and White Papers: We review case studies and white papers to gain insights into a company's expertise and thought leadership in addressing complex challenges.

Angel Investments and Acquisitions: We consider angel investments and acquisitions as indicators of a company's growth potential and strategic partnerships.

Senior Leadership Team Domain Experience: We value the collective domain expertise of a company's senior leadership, which contributes to their industry knowledge and vision.

Other Awards and Recognitions: We take note of any additional awards or recognition a company has received, underscoring their credibility and industry standing.

Research and Development (R&D) and Innovations: We assess a company's commitment to R&D and its track record of bringing innovative solutions to market.

Breadth of Capabilities and Services: We consider the range and depth of a company's capabilities and services, reflecting their ability to cater to diverse client needs.

Industry Visibility, Innovation, and Impact: We evaluate a company's visibility within the industry, including their participation in industry events, thought leadership initiatives, and overall impact on the sector.

Strength of Clients and Geographic Reach: We take into account the caliber and size of a company's client base, as well as their geographic reach, indicating market acceptance and scalability.

Company Size and Growth Potential: Lastly, we consider a company's size and its potential for future growth, reflecting their overall trajectory and market positioning.

There is a story behind the selection of each company to be added to our elite listing. Rather than selecting random solution providers, our team performs a comprehensive analysis of companies that are providing sophisticated Solutions & Services. After carefully assessing 500 Fortune listed companies, we shortlist businesses that are eligible to be part of our exclusive listing page. To ensure an adaptable and rigorous selection process, we have a dedicated market research team responsible for identifying the most exceptional companies to showcase in the magazine. Their efforts encompass monitoring press releases, researching reports, tracking product launches, case study analysis, considering event sponsors, and more, all with the aim of identifying the most relevant and innovative technology vendors. In evaluating potential companies for inclusion in our list, our evaluation team focuses on several key parameters:

