

MEDICAL DEVICE COMPONENTS

Product Portfolio





With 40 years of expertise in platinum group metals, Medical Device Components offers medical device manufacturers the security of supply to source, manage, fabricate, and recycle materials for your devices. Our extensive experience in developing advanced materials, combined with manufacturing excellence, provides a broad range of offerings to both contract and device manufacturers.

We value your needs, and support you with our dedication to service and quality. Our commitment to innovation and R&D across all of our products and services will allow you to stay competitive now, and in the future.

Making a healthier world

By developing industry leading sustainable technologies, MDC provides high-quality precision machined components, implant grade Nitinol parts, and advanced coatings and surface solutions. Everything we do is designed to enhance the capabilities and reliability of your medical devices. With our comprehensive knowledge of managing

precious metals and developing precious metal-based applications, we are the trusted partner to support your growth by offering stability in the supply chain. Our expertise in material science, rapid prototyping capabilities and metal management services will accelerate your innovation in medical devices and contribute to a healthier world for all.

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COMPONENTS**

Precious metals and precision micromachined components

Medical device companies need a partner who can offer high quality, comprehensive solutions, to help manufacturers develop competitive technologies that are first to market. Two centuries of materials expertise and innovative manufacturing technologies enable us to efficiently meet our customers' needs.



The next generation of minimally invasive surgical devices rely upon complex engineering, precise delivery, and excellent mechanical control. We leverage decades of micromachining expertise to provide our customers with high-quality electrodes, markers, and other medical components. Our customers greatly benefit from collaborating with our dedicated team of researchers, engineers and sales representatives from the initial phases of R&D

prototyping through product launch. Beyond our emphasis on manufacturing excellence, we also offer metal and inventory management options to ensure supply chain security, with full turnkey refining and recycling solutions. From cochlear implants to pacemakers: we combine our proficiency in micromachining with our deep knowledge of metallurgy to benefit customers and patients alike.

Nitinol

Nitinol is used in a wide range of applications in markets such as vascular intervention, orthopedic, neurovascular, endoscopy and dentistry. With over 20 years of experience in manufacturing and shape setting Nitinol tube, sheet, and components for the medical device industry, we have the expertise to meet rigorous specifications.



An advanced material like Nitinol possesses critical physical and mechanical properties and offers elegant solutions to meet complex anatomical and physiological needs. Nitinol's biocompatibility, kink resistance, superelasticity and ability to shape set, helps medical device

designers to develop next-generation medical devices. From producing a cost-effective implant grade premium ID Nitinol tube (improving stent yield and cost control for stent producers) to excellent thickness control to create the thinnest sheet in the industry, JM is your trusted choice for Nitinol.

Coatings and surface solutions

Our innovative and customized coatings and surface solutions enable new technologies for medical devices by enhancing surface functionality of various metallic, polymeric, and ceramic components. These novel coatings will enhance functionality, battery life and device size, and will ultimately improve the lives of patients by preventing infections and reducing surgery time.



Our specialty coatings and surface solutions add value to our customers' devices, and improve expected outcomes. We dedicate our time to R&D, helping us to innovate for our customers. We also enable better implant performance through various means; for example, smaller electrode design, increase in the

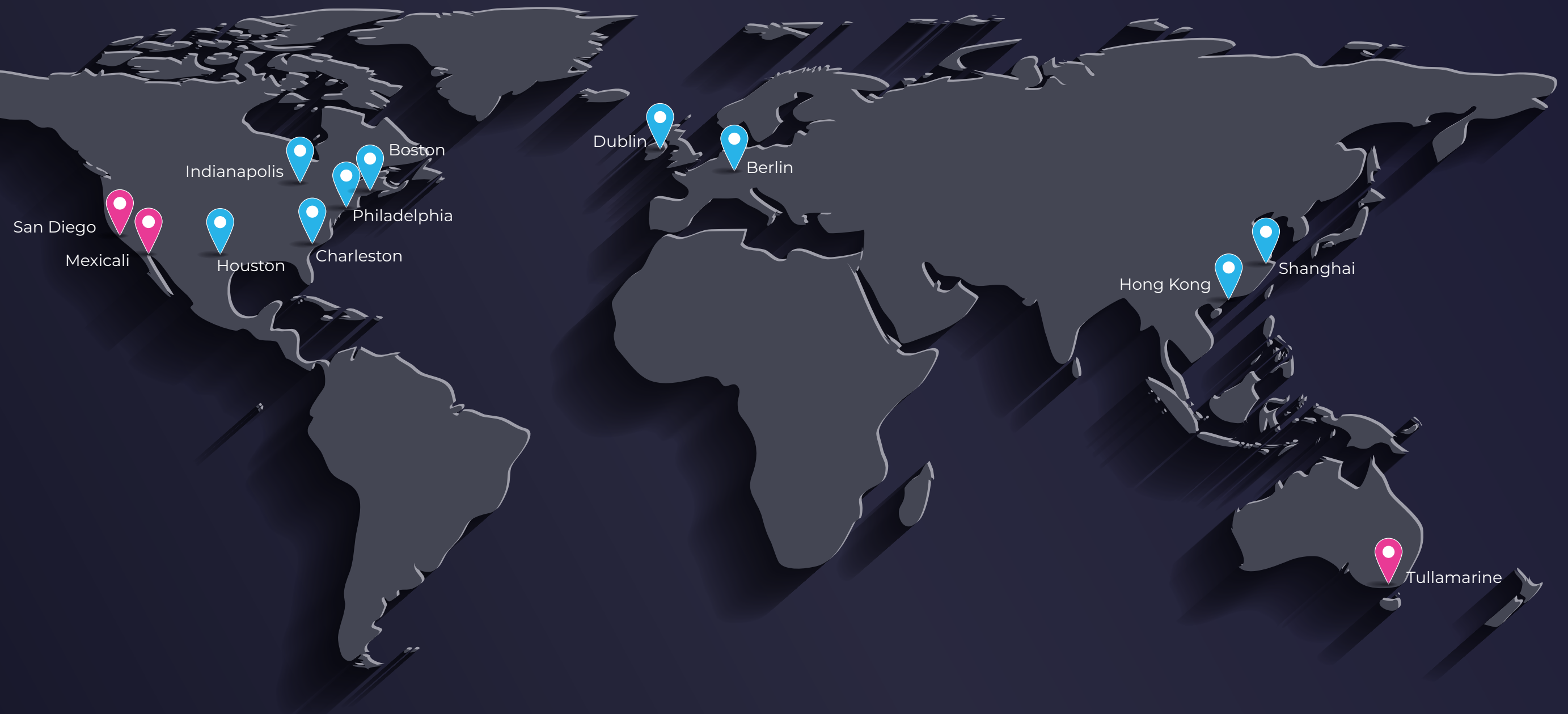
number of stimulation sites and enhanced antibacterial properties to reduce repeat surgery incidences. Our advanced coatings and surface solutions will differentiate your medical devices across a range of markets, such as CRM, neuromodulation, electrophysiology, cochlear, and orthopedics.

Worldwide locations

Our network of state-of-the-art manufacturing and technology centers, along with sales support, spans Europe, North America, and Asia-Pacific. In North America, our manufacturing centers of excellence are located in San Diego, CA, and Mexicali, MX. Our manufacturing operations supporting Asia-Pacific resides in Tullamarine, AUS.

Our global sales specialists provide support throughout North America, Europe, and Asia-Pacific, and are committed to supporting your device launch from concept inception to full-scale production.

- Manufacturing and Support
- Sales





To find out more visit medicaldevicecomponents.com

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