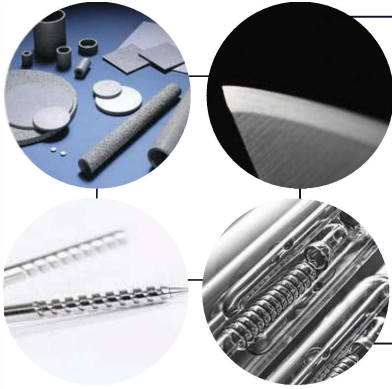




MedTech

The core mission of IDEX MedTech is to design and manufacture mission-critical components that enhance the performance and reliability of medical devices. This document describes the capabilities and innovations used in the medical technology sector, focusing on the integration of advanced materials and precision manufacturing techniques.

DESIGN AND MANUFACTURING CAPABILITIES

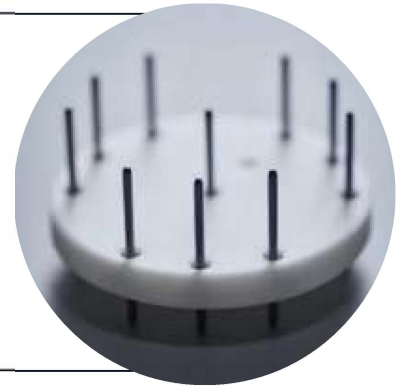


Advanced Materials, Benefits and Tolerances

- Metals, Ceramics, Glass and Polymer Components
- Porous Metal, Polymer & Ceramic Components
 - Custom 3DPrinted Solutions
- Ultra Precision Micro Components
- The use of advanced materials provides significant benefits, including improved durability, chemical compatibility, and the ability to withstand extreme conditions

Flow Control & Filtration

- Porous Components & Restrictors
- Orifices & Nozzles
- Connections, Manifolds, Subassemblies,
- Valves, Pumps, Pump Components, Sensors
- Solid Microneedles and Electrodes for Biosensing
- Optical Filters, Lenses & Illumination
- Microfluidics



PRECISION MANUFACTURING

Ceramic-To-Metal Joining - Allows for the creation of hermetic components that combine the best properties of both materials, enhancing durability and performance.

Chemical Etching & Electroforming- Used to create complex, high-precision features that can be rapidly created without the need for expensive tooling or machinery; essential in prototyping advanced medical devices.

Laser Processing & Machining - Enables the production of complex components with high precision and accuracy.

Injection Molding & Laminated Films - These techniques are used to produce high-quality components with consistent performance.

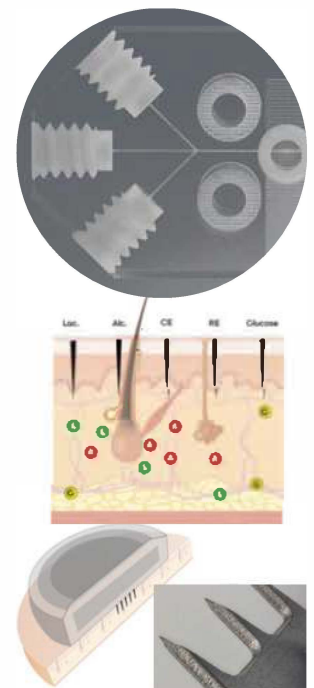
Optical Filters, Lenses & LED Illumination - Used in IVD systems, fluorescence surgical instruments and endoscopes to ensure sensitive and reliable patient data collection.

Solid Microneedles for Biosensing and Drug Delivery - Minimally invasive biosensors used to monitor bio-markers in gas, fluid or tissue for superior signal response and sensitivity. Drug delivery with extremely sharp micro blade profile minimizes forces, tissue damage and provides pain-free application.

Pneumatic Systems, Pumps & Blowers - Compact, quiet pneumatic solutions that integrate seamlessly into medical settings ensuring reliable, clean air crucial for patient care and medical equipment.

Ultra Precision Machining- Provides biocompatible contamination free, hard-to-machine materials like ceramics, sapphire and other exotic metals used to create next-generation medical devices and advanced surgical tools.

Ensures the highest quality and performance of medical device components, meeting the stringent requirements of the healthcare industry.





BENEFITS IN DEVELOPING NEXT GENERATION CUSTOMIZED SOLUTIONS

Our expertise in flow control and filtration ensures precise and reliable performance in medical devices, ensuring consistent and safe operation which contributes to better patient outcomes.

Speed To Market – Rapid Prototyping

- Rapid prototyping capabilities allow for the quick development and testing of new medical device designs, reducing time to market.

From Prototype to Production

- The transition from prototype to production is streamlined, ensuring that new medical devices can be brought to the market quickly and efficiently.

Enhanced Device Performance

- The use of advanced materials and precision manufacturing techniques enhances the performance of medical devices, leading to better patient outcomes.

SOLUTIONS FOR MEDICAL DEVICE MANUFACTURING CHALLENGES



Miniaturization - More functionality in a smaller envelope drives more advanced micro applications.

Increased Material Lifespan & Durability -

Improved durability of materials in components and medical devices contributes to fewer surgeries, longer medical device lifetime and an overall higher quality.


Design Complexity - The ability to manage design complexity ensures that medical devices are both functional and reliable.

Smart Integration of Electronics -

The increased need to predict, prevent, and monitor requires smart integration of electronics, sensors, and fibers in medical devices or implants.

Traceability - Traceability and transparency throughout the supply chain is driven by regulation but has been ingrained in production.





IDEX MedTech is dedicated to making trusted solutions that improve lives. Our advanced materials, precision manufacturing, and innovative research and development capabilities enable us to provide high-performance components for a wide range of medical applications.

We are committed to collaborating with our customers to develop solutions that meet their unique needs and drive the healthcare industry forward.

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