



# ► Benchmark

## Medical Technologies

### Our Medical Legacy

Since 1979, Benchmark has built a reputation of providing best-in-class medical device engineering and design services. Our passion for innovation incorporates the latest technologies with systems built to meet the most stringent regulatory guidelines.

As a result, we continue to pass FDA-related audits and inspections. At Benchmark, we are proud of this hard-earned status and you can trust that we will deliver robust, highly-configurable, cost-effective solutions designed to address your unique needs.

### Our Passion for Innovation

With expertise built over four decades and an eye towards partnering with the most disruptive and high-growth companies in the sector, you can be confident Benchmark is constantly developing valuable capabilities for your products now and in the future.

### Personalized Attention on a Global Scale

As your requirements change, you can leverage our global footprint to keep engineering and manufacturing close-to-home or close-to-customers for initial production runs, and then push offshore as volumes increase with a seamless and standardized site transition.

### Key Medical Capabilities

- **Fluid Management**  
drug delivery, sterile fluid control, lab on a chip, dialysis products
- **Radiological Imaging**  
MRI, MRT, CT
- **Optical Imaging**  
optical coherence therapy, visualization devices
- **Connected Medical Devices**  
remote patient monitoring, wearables, connected medical products
- **Hand Held Devices**  
surgical tools, diagnostic and interventional devices
- **Surgical Robotics**  
fully-automated and surgeon assisted surgical robots
- **Energy Delivery Devices**  
defibrillators, cardiac RF ablation, neuro modulation

## From Concept to Complete Product Lifecycle Management

Benchmark's full-system solutions and global footprint of certified facilities provide you with a dedicated team to optimize all facets of design, development and production. Designs can be managed at both single and multiple locations to ensure the highest quality and go-to-market readiness.

### Concept/Design

- Circuit Design
- Software & Hardware Development
- Industrial Design
- Mechanical Design
- PCB Layout
- DFM Services

### Precision Machining

- 5-axis Vertical Mills
- E-beam Welding Horizontal Mills
- Lathes
- Laser Cutting
- CMM Inspection Chemical Cleaning

### PCB Assembly

- Surface Mount Technology Ball Grid Array
- Chip on Board
- Multi-chip Module Plated-through Hole
- Inspection: Laser, X-Ray, Visual, ICT/FCT
- Development

### Supply Chain Management

- Supply Chain Design
- Sub-tier Management
- Local Sourcing
- EDI Execution
- EOL/OBS
- Management Global Agreements

### New Product Introduction

- Quick-turn
- Flexible Scheduling
- Mechanical Components Placement
- Build Feedback

### System Integration/Box Build

- Direct Order Fulfillment BTO, CTO
- B2B
- Hubbing & VMI
- Full Turnkey Manufacturing, Test, Debug
- Full Traceability

### Test Development

- Requirement Specifications Prototyping
- Low-cost Solutions Dedicated Testers and Automation
- Large Scale Equipment Design & Build
- Advanced Technologies

### Post-Delivery Support & Logistics

- Upgrades
- Field Spares
- Warranty & Out of Warranty Repair
- Real-time SPC
- Local Partners
- Global Agreements

## When It Matters.

Navigating a complex world demands a forward-thinking partner with the technology, cutting-edge engineering, precision manufacturing, and supply chain agility to move quickly. From idea to realization, Benchmark is able to meet and adapt to your unique needs and requirements. To learn more, contact us today.

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