

## Medical Device Components & Assemblies | High-Precision Tolerances & Geometries



For more than 40 years, Harbec, Inc. has been an industry-leading contract manufacturer and high-value partner for the medical device sector, supporting R&D, product development and engineering teams. From prototype to production, we are committed to quality & delivery. Our integrated capabilities, value & expertise offers a unique outsourcing opportunity for start-ups to large medical device OEMs that want to overcome internal challenges and gaps within manufacturing, competencies, quality and process. Our process is based on a customer centric approach with high value and optimal results, all within a carbon neutral manufacturing facility.

### Solutions & Program Management

- Engineering & Consulting Services
- Design for Manufacturability (DFM)
- Rapid Concept Development
- Quality Assurance & Validation
- Certified ISO Class 8 Cleanroom
- Supply Chain & Inventory Management
- Mold Design
- Automation Engineering
- Research & Planning
- Secondary Services and Assembly
- Logistics Support
- Modeling & Analytics

### Medical Applications & Experience

- In-Vitro Diagnostics (IVD)
- Patient Monitoring Systems
- Microfluidics
- Neurosurgical
- Dental
- Orthopedics (Implants)
- Robotics
- Surgical Instrumentation
- MRI & Imaging Systems

#### value 06

##### Operational Excellence (Agile)

With Tight controls over our in-house capabilities, we strive for 100% lead time & delivery results. We do what we promise.

#### value 05

##### Quality & Competencies

Certified ISO 13485 with Internal QMS and Quality Lab with Statistical Process Control (SPC) FAI, Validation (IQ, OQ, PQ) and ISO Class 8 Cleanroom

#### Value 04

##### Cost-to-Market (CTM)

Made in U.S.A. with Carbon Neutral savings towards Manufacturing Costs

#### Value 01

##### Competitive Edge

Our Integrated Value and Agile Process provides Medical Device manufacturers with ability to launch products to market faster and more efficiently.

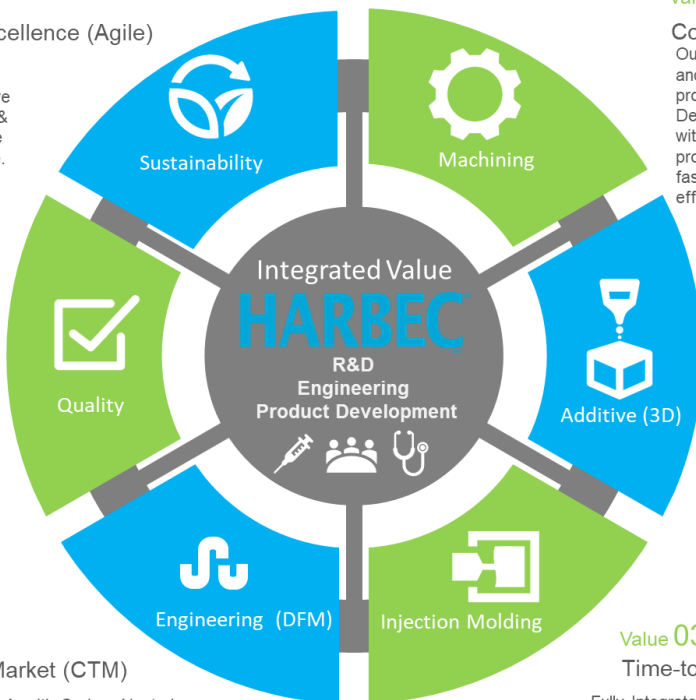
#### Value 02

Innovation  
Our Technology & Automation offers unique capabilities for High-Precision Tolerances, Precise Angulations, and Complex Geometries.

#### Value 03

##### Time-to-Market (TTM)

Fully Integrated and Complete In-house Capabilities



### Materials

- 300 Engineered Thermoplastic In-house
- ABS, Nylon, Polycarbonate, TPU
- Chemical-resistant: Isoplast™
- Filled: carbon, glass, metal, mineral
- High-density: EcoMass™
- High-heat: PEEK, Radel™, Stanyl™, Ultem™
- Thermally-conductive: (electric and dielectric)



### ADDITIVE (3D) UNIQUE MICRO FEATURES

HARBEC is the first company to successfully demonstrate additive parts with holes at 12µm in diameter in the horizontal plane, without the need for secondary machining. Our proprietary process guarantees flow through these channels with a variety of light-weighting and lattice generation services for applications ranging from implants to microfluidics.