



HDA provides full service medical product design and contract manufacturing, and has been creating world class products for over 35 years. We support your needs for R&D, design, compliance, production and product support. Our experienced team provides the attention and responsiveness you need to move your idea into production. HDA is ISO13485, FDA and California FDB registered.



Product Development

- Ideation / R&D
- Proof of Concept
- System Architecture
- Mechanical / Electronic / Software
- Industrial Design
- Compliance Expertise
- 510(k) Ready Design Package
- Transfer to Manufacturing

Contract Manufacturing:

- Box Build
- Clinical Trial Builds
- Prototype to High Volume
- Optical, Electromechanical, RF
- 100% Final Test
- Complete Fulfillment / Repair

Our world-class product development and quality-focused contract manufacturing services provide you with a cost-effective and reliable supply chain.

Project Examples:



Dual-user contrast therapy system delivers precision heat, cold, rapid contrast, and compression therapy to treat a wide range of injuries, accelerate post surgical recovery, and for physical rehabilitation.

State of the art breast biopsy system incorporating multi-axis motion control, variable vacuum, and an intuitive touch screen interface.



Past Projects Include:

Doppler Ultrasound, Surgical Motion Control, Pulsed RF Therapy, Ultrasonic Imaging, Flow Management, Spectrophotometry, Thermal Management Systems, Vacuum Control, Electrocautery, Tissue Welding, Breast Biopsy Systems, High-energy Ultrasound, Bone Drills, Dental Drill Systems, Documentation and Design Remediation for 510(k) Filing, Pain Management, Optical Materials Processing, Multi-axis Motion Control, RF Diathermy, TENS, Pulse Oximetry, Tissue Phantom Studies, Magnetic Field Characterization, RF Thermal Effects Studies, Pain Management, Telemedicine, Continuous Oximetry Systems, Remote Actuation for Medical Implants, Cure in Place Orthopedic Implant Technology, RFID Systems, Oxygen Delivery Systems, Wireless Monitoring, Breath Analyzer, Airborne Emergency Oxygen Systems, Pulsed Demand Oxygen Systems, Electrolytic Detachment Devices for Embolic Coils and Stents, Precision Sensors and Instrumentation...

