

CUSTOM MEDICAL EQUIPMENT

The Company

EDC is a leading supplier of Product Development and Automated Test Equipment (ATE) services for over a decade. Our products and test systems can be found in medical, aerospace, military, industrial, nuclear, telecommunications and commercial markets. We are a multi-disciplinary team with a diverse skill set in design, engineering, automation and fabrication. EDC can assist in all phases of product development, concept creation, prototyping,



Medical Electronics

that expand your in-house capabilities with a variety of engineering and manufacturing expertise. Our mission is to expedite your product development cycle while providing cost-effective solutions for your requirements.

EDC looks to build relationships with our clients,

Design & Development

EDC believes our clients are integral members of the design process; a process that begins with an in-depth insight into their exacting requirements. By listening carefully to our clients, collaborating and



Solid Modeling & Photorealistic Renderings

MECHANICAL ENGINEERING

Solid Modeling is extensively utilized at EDC for all product design/development/fabrication activities. Many of EDC's designs have utilized pneumatics, hydraulics, vacuum, ultra high vacuum technologies as well as others.

ELECTRICAL ENGINEERING

EDC's provides hardware design that can include Printed Circuit Board Design, Analog, Digital, Motion control, algorithm development, ASIC design and more.

SOFTWARE ENGINEERING

EDC designs custom software solutions for its customers. This includes writing code to work with standard real-time systems, embedded operating systems, custom drivers, assembly, FPGA's, PLC's, micro PLC's, LabVIEW, C++ and many others.



Tissue Processing

process equipment, fabrication and automated test equipment. Becoming extension of your in-house team, we tailor our services to integrate smoothly within your development system. Our commitment to talent, tools, and technology allows us to offer turn-key development solutions helping our clients bring their products to market quickly and cost-effectively. We can help you reach critical project milestones by providing dedicated resources



DOCUMENTATION

Complete documentation is created using exploded assembly drawings, PCBA's, cable drawings, wiring schematics and detail drawings. Documentation follows industry standard ASME Y14.100 and ASME Y14.5M Geometric Dimensioning and Tolerancing. EDC also can provide design *history files, validation* and *commissioning*.

FABRICATION

EDC can manufacture directly from your solid models utilizing Computer Aided Manufacturing (CAM) technology. Plastic parts can be created using Stereolithography (SLA) or other appropriate technology. EDC also offers exotic material welding, sheet metal fabrication, wiring and PCB population.

For more information on any of our products or services please visit us on the Web at:
www.edcisolutions.com

introducing EDC's market specific and cross market experiences enables us to develop innovative solution that fit their needs. We customize our services to match the needs of your project. Through the use of Computer Aided Design for product visualization, refinement and engineering, we speed the rate at which we understand, communicate and finalize design solutions. Utilizing design reviews, allocating resources, engaging marketing, engineering and manufacturing early, empowers the team to achieve our time to market goals. EDC is available to support your R&D efforts.



Endovascular and Coronary Stents

Services

- ✚ Product Development
- ✚ Automated Test Equipment
- ✚ Mechanical / Industrial / Automation
Solid Modeling, FEA, GD&T, Motion
- ✚ Electrical Engineering / PCB Design
- ✚ Software / Firmware
LabVIEW, Microprocessors, PLC's, C++
- ✚ Manufacturing
CAM Services, Machining, Wiring



Synthetic Fiber Fabrication Mandrels

Thin Wall Mandrels

EDC's synthetic fiber fabrication mandrel technology **drastically reduces heat set time** for manufacturing synthetic fabric tubing. Fabricated from medical grade stainless steel and crafted with a micro surface finish, the mandrels improve your product quality, repeatability and fabrication efficiency. The result is an improved time to market.

Just send us a sketch, drawing or CAD file and we can provide you with a seamless bifurcated mandrel.

- Uniform wall thickness as small as 1mm
- OD Tolerances +/- .025 mm
- Polished or Unpolished
- Variety of end configurations available
- CNC Manufactured & Welded Construction

Ask about our internal temperature probe option, ePTFE welding and collapsible mandrel program



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