

CUSTOM THERMAL SYSTEMS



Custom Thermal Plates

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 aerospace, military, industrial, medical, 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, 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 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, built on efficient communication, complete disclosure, absolute confidentiality, timely results and a total commitment to quality. By selecting EDC as a partner, our clients gain a resource that cares about their business and will take on projects large or small. EDC is immediately available to respond to your project needs.



Thermal Plate & Bath Systems

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, and 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.



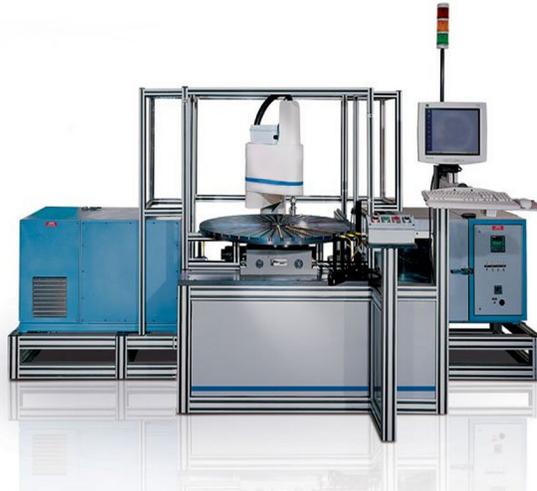
DOCUMENTATION

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.

FABRICATION

EDC can manufacture directly from your solid models utilizing Computer Aided Manufacturing (CAM) technology. Plastic parts can be created using Stereo lithography (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



Thermal Chambers with ATE

Thermal Systems

EDC develops a variety of custom thermal platforms for many industries. The thermal platforms can be designed to control an environment for example -40°C to 120°C. EDC can design systems to control surface, volume or spot temperature and integrate the equipment with either your test or in process equipment. The systems are a range of sizes depending on the end item size and the number of units that need to be processed. The systems may be designed for portability as well.

EDC can use various technologies for creating the environment, such as liquid baths, LN₂, CO₂,

heated forced air, vortex cooling/heating, etc... EDC utilizes COTS materials and controllers for cost containment and serviceability.



Thermal ATE

Services

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



Portable Thermal System



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