



INNOVATIVE ENGINEERING DESIGN & MANUFACTURING SERVICES

• World-Class, End-To-End

In the new world economy, the first to market with the most innovative products reaps the greatest rewards. Ultraflex International, Inc. is an electronics solutions company that provides innovative engineering design and manufacturing services. We meet the demands of our customers by helping them bring products to market quickly and cost effectively.

Ultraflex provides complete, customized and focused solutions for OEM customers in a broad range of fields, including industrial, dental, medical and laboratory. By applying advanced, field-proven engineering design and lean manufacturing principles, Ultraflex can provide return on investment that includes design advantages, protection of intellectual property, as well as cost optimization.

As an international company with facilities in two countries, we offer world class design services, contract manufacturing in a modern, ISO9001 certified facility, and local post production support. Staffed with engineering, manufacturing and software talent, Ultraflex functions as an active adjunct and partner. The organization often provides strategic services from concept, feasibility and design, through prototyping, production and post-production support.

• The Ultraflex Advantage

Ultraflex functions as an extension to your existing engineering department, enhancing productivity and adding value at every turn. As a matter of fact, Ultraflex is recognized worldwide as a leader for its broad engineering talents, quantity of patents and innovations that span many fields. Normally companies pay a premium for firms with similar experience, but Ultraflex has developed a unique internal structure that is extraordinarily cost-efficient yet exceptionally powerful. As an agile organization able to respond to the needs of each project individually, Ultraflex consistently delivers the ultimate in

personalized service regardless of project complexity or distinct industry traits.

• The Ultraflex Product Lifecycle

From concept to post-production support, Ultraflex is dedicated to the success of your product throughout the entire process. To ensure the highest level of integration between both engineering groups, Ultraflex has developed a proprietary process that utilizes a powerful Online Project Management and Team Collaboration System for flawless execution. The process has proven so successful that it has been able to reduce development costs by as much as 50% for clients.

• Ultramodern Manufacturing Facility

Whether your needs extend to prototype manufacturing, pilot production, or full production, Ultraflex's state-of-the-art facility in the European Union is eminently capable of realizing your vision. Located in Sofia, Bulgaria, the ISO 9001-certified facility is owned and operated by Ultraflex and can even handle full-scale final production. And we explicitly honor all intellectual property NDAs.

The Ultraflex manufacturing facility is capable of fabricating complex printed circuit boards using surface mount or through-hole technology, producing all of the required electromechanical assemblies and cabling, and final assembly. Once complete, each product is thoroughly tested using our rigorous quality control program before it ever leaves the site.

AT A GLANCE...

Award-Winning Services:

- Engineering Design
- Product Development
- Contract Manufacturing

Vertical Markets:

- Industrial Equipment
- Medical & Lab Equipment
- Consumer & Office Products
- Software/Firmware Design

Scope of Expertise:

- Agency compliance: CE, UL, CSA, FDA
- Analog & RF Circuits design
- Digital & Microprocessor Circuits
- Electronics & Circuit Boards
- Embedded Systems Design
- Mechanical Design & Modeling
- Motor Controls: AC, DC, Stepper
 - Power LED Technology
 - Power Supplies & Motors
- Process Control & Measurements
- RFID Design & Implementation
- Sensing, Test & Measurements
 - Software/Firmware Design
- Software/Hardware Integration
- Switching/Linear Power Supplies
 - Thermal & Stress Analysis
 - Wireless Communications



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THE ESSENCE OF ENGINEERING

www.ultraflex.net

• Solid Engineering Capabilities

The effectiveness of any high-tech product is dependent on the quality of its logic controls. Ultraflex prides itself on having one of the most capable teams of software engineers available anywhere. Our experience includes developing complex programmable logic devices, field programmable gate arrays and digital signal processors. Whether your product is stand-alone or integrated with other devices, our engineers can develop robust process control and data acquisition software using RFID, wireless, USB and serial connectivity.

• Excellence in Industrial Equipment

Ultraflex has consistently been the dependable choice for OEMs spanning many sectors for over 15 years. For industrial equipment, an engineering manufacturing firm must be able to deliver long-term reliability and durability. Ultraflex can boast a long track record of success.

Representative Products:

- Process Control and Container Inspection Systems
- Advanced Induction Cap Sealing Equipment
- Induction Heating Power Supplies
- Modular PC Programmable Power Supplies
- Industrial Control Panels

• Superior Medical, Dental & Lab Equipment

Ultraflex excels at the development and manufacturing of medical devices and lab equipment for OEMs around the world. Our design and engineering teams are experienced with preparing FDA documentation, as well as software validation. In addition, our manufacturing facility is registered with the FDA to produce medical-grade products.

Representative Medical Products:

- Drug Nebulizers
- Respiratory Ventilators
- Hearing Aids
- Magnetic Laboratory Stirrer
- Electromagnetic Field Exposure Analyzers

Representative Dental Products:

- Vacuum /Thermal Curing Chamber
- Halogen Light Curing Booth
- Induction Melting & Pressure Casting Equipment

AT A GLANCE...

Ultraflex Advantages

- A Mindset Of Partnership
 - Complete Solutions
 - Cost Optimization
- Excellent Return On Investment
 - Fast Track To Market
- Innovative Engineering Design
- Intellectual Property Protection
 - Lean Manufacturing
- Local Post Production Support



UltraFlex
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