



# UltraFlex

**THE ESSENCE OF ENGINEERING**

# About Ultraflex

- ❑ Provider of innovative electronic design and manufacturing services
- ❑ Located on Long Island, New York
- ❑ Private corporation established in 1993
- ❑ Owns a modern ISO 9001-2000 engineering and manufacturing facility located in Sofia, Bulgaria
- ❑ Offers an aggressive and attractive engineering and manufacturing cost structure
- ❑ Utilizes the latest technology in a variety of fields

# Capabilities

- ❑ Electronic design
- ❑ Mechanical design
- ❑ Industrial design
- ❑ Cost analysis & optimization
- ❑ Manufacturing services
- ❑ Turn-key solutions
- ❑ Postproduction support



Ultraflex's EU design and manufacturing facility

# Services

## U L T R A F L E X   S E R V I C E S

Concepts  
&  
Requirements

Design  
&  
Development

Prototyping  
&  
Testing

Pilot  
&  
Full Production

Fullfilment  
&  
Logistics

Post  
Production  
Support

◀ PRODUCT LIFECYCLE ▶

# Engineering Expertise

- Digital & Microprocessor circuits
- Analogue and RF circuits design
- Software/Hardware Integration
- CPLD, FPGA, DSP
- Embedded systems design
- RFID design and implementation
- Wireless Communications
- Switching/linear power supplies
- Motor Control – AC, DC, Stepper
- Sensing, test and measurements
- Mechanical design and modeling
- Agency compliance: CE, UL, CSA, FDA

# Manufacturing Capabilities

- ❑ PC Board assembly
- ❑ Value Added EMS services
- ❑ Turnkey Product Assembly
- ❑ Fulfillment and Logistics services
- ❑ Post Production Support
- ❑ Local manufacturing capabilities for prototypes and pilot production.



# PC Board Assembly

- ❑ Complex double-sided PCB assembly
- ❑ Continuous flow, high speed SMT lines
- ❑ Through-hole and mixed technology assembly
- ❑ Lead-free, RoHS compliant assembly
- ❑ No-clean and water soluble solder processing
- ❑ Complete electrical and functional testing
- ❑ In-circuit and chip programming and verification
- ❑ Conformal coating with acrylic, silicone and urethane
- ❑ Encapsulate and potting in assembly housings

# Value Added EMS Services

- ❑ Kitted or turn-key projects
- ❑ Cable and harness assembly
- ❑ High complexity assembly
- ❑ High mix, low volume assembly
- ❑ In circuit and functional testing
- ❑ Equipment calibration
- ❑ Burn-in and reliability testing





# Certificates and Credentials

- ❑ ISO 9001-2000 certified facility
- ❑ Registered with FDA as a GMP manufacturer
- ❑ Experience with regulatory class I, II, and III devices
- ❑ Compliant with current FDA Quality System Regulations
- ❑ Compliant with current EU directives for CE Mark and UL Certified



# Industries

- ❑ Medical Devices
- ❑ Pharmaceutical and Lab Equipment
- ❑ Test and Measurement Devices
- ❑ Industrial Equipment
- ❑ Commercial Products
- ❑ Office Equipment
- ❑ Consumer Products



# The Ultraflex Advantage

- ❑ World class engineering talent – number of patents and innovations in many fields.
- ❑ Cost effective structure:
  - Local Engineering staff for R&D, customer intensive projects and technical support
  - Engineering development center in Bulgaria, enabling us to offer attractive development cost structure.
- ❑ Smooth transition to production
- ❑ Exceptional, flexible, personalized service.
- ❑ Advanced Online project management and team collaboration system.
- ❑ Ultraflex becomes an extension to your engineering team.