



**Value is the Difference**

## **Gulf Coast Operations**

Sugar Land, Texas

Suntron's 225,000 square foot facility, located in Sugar Land, Texas, (Houston area) offers an integrated manufacturing solution with a focus on delivering highly complex electronic and electromechanical products to the marketplace. Our full suite of services begins with New Product Introduction (NPI), carries through production and includes servicing of these products throughout their entire life cycle.

Site capabilities include: full-scale electromechanical assembly and electronic system integration facilitated by printed circuit board assembly, cable/harness assembly, manufacturing test, test development services, and environmental testing.

### **Market Segment Supported**

- Aerospace & Defense
- Industrial
- Semiconductor Capital Equipment
- Networking & Telecommunications
- Medical Equipment

### **Certifications**

- FDA QSR Registration
- ISO 13485 : 2003
- AS9100
- ITAR Registered
- ISO 9001 : 2000
- J-STD-001
- IPC-A-610 Class II, III
- IPC620A
- UL/CSA
- Certified for Lead-free Manufacturing for both SMT and PTH (RoHS)

### **Require more information?**

If you have questions or would like to obtain further information, please call 888.520.3382 or email us at: [sales@suntroncorp.com](mailto:sales@suntroncorp.com)

### **Scope of Services**

- Product design capabilities
- Highly experienced New Product Introduction resources and comprehensive detailed processes committed to smooth transition of new products into production
- Dedicated NPI line for low volume prototype capability
- Design for manufacturability (DFM) and testability (DFT) services
- Rigorous First Article Process
- BGA and fine pitch assembly: high density interconnection capabilities down to 15-mil fine pitch and high I/O BGA's
- Highly skilled workforce: assembly personnel receive IPC-A-610 and J-STD training and periodic refresher training by internal IPC certified trainers
- Focus on high mix, low to medium volume manufacturing
- PCB assembly: PTH, SMT, and mixed technology
- Continuous flow PCBA assembly with three identical double sided lines
- Complex cable/harness assembly using both military and commercial connectors and multi-conductor, shielded twisted pair wire
- Cable and harness assembly supporting both high and low volume production
- Coaxial RF cable assembly
- Manufacturing capability to build complex back plane assemblies including wire wrap capabilities
- Complex electronic and electro mechanical assemblies
- Integration of electrical and mechanical sub-components into the final system or product
- Box Build, system integration, configure to order, and direct delivery to end user
- Custom manufacturing tests including: electrical, motion, pneumatic, thermal performance
- In-circuit test (ICT)
- Production test capabilities: in-circuit, flying probe and functional
- Test engineering: design for testability (DFT) analysis, in-circuit and functional test development
- 3D x-ray laminography inspection (utilizing Agilent 5DX)
- Automated Optical Inspection (AOI)
- Flying probe test
- Highly accelerated lifecycle testing for product qualification (HALT)
- Highly accelerated environmental stress screening (HASS)
- Robotic selective conformal coating system, potting, and bonding
- Supply chain management – EDI with all major suppliers
- MacPac MRP System with APS Kinaxis Simulation Capability
- Spare part inventory management
- Supplier Qualification and Development
- Engineering Change Management
- Low cost region product and process transfer capabilities
- Depot Repair (out of warranty repair)