



# Value is the Difference

## Southwest Operations

Phoenix, Arizona

Suntron's Southwest Operations is uniquely positioned with a world-class infrastructure designed to support the production and quality requirements of high mix, low volume Original Equipment Manufacturers (OEM) competing in high-reliability environments.

Utilizing high velocity manufacturing solutions, our Southwest Operations' facility of 100,000 square feet specializes in complex box and circuit card assemblies for a variety of high-reliability military, commercial, medical, industrial and aerospace applications.

Our Southwest Operations staff is equipped with the experience and tools to assure best in class service, communications and technology as your outsourcing partner.

Strategically located near Suntron's Tijuana, Mexico facility, Southwest Operations serves as a natural transition point for customers transitioning from domestic to low-cost region (LCR) manufacturing.

As the leader of your cross-functional Customer Business Team, Program Management is your main focal point where you'll find superior service through standard tools, practices, procedures, and LCR transition expertise.

## Southwest Express

Phoenix, Arizona

Suntron's record of accomplishment in bringing products to market on time, within budget, and to specification is exceptional. The fundamental force behind our success is our focus on customer requirements and our flexibility to accommodate their needs.

Suntron Express Services provides engineering services and manufacturing solutions that require high velocity responses for printed circuit board assemblies, test solutions, high-level integration, and front-end prototype development. The Express centers serve customers in the aerospace / defense, communications, medical, instrumentation, and computer-related industries.

Suntron Express Services supports product progressing from design to prototype, Low Rate Initial Production (LRIP) product life cycle phases, as well as end-of-life product phases.

The critical components required in a successful New Product Introduction (NPI) process originate at Suntron Express Services. These components include: engineering services, quick-turn manufacturing, materials management, test development, and a flexible workforce dedicated to meeting all commitments.

## Market Segment Supported

- Aerospace & Defense
- Industrial
- Semiconductor Capital Equipment
- Networking & Telecommunications
- Medical Equipment
- Military & Homeland Security

## Certifications

- NADCAP
- AS9100
- ITAR Registered
- ISO 9001 : 2000
- ISO 13485
- J-STD-001
- IPC-A-610 Class II, III
- IPC 620A
- TUV
- Mil-Q-9858 Compliant
- Certified for Lead-free Manufacturing for both SMT and PTH (RoHS)

## Scope of Services

- Product design capabilities
- Printed Circuit Board Layout  
DFM / DFT
- Highly experienced New Product Introduction resources. Comprehensive detailed processes committed to smooth transition of new products into production
- Dedicated NPI line for low volume prototype capability
- Quick turn prototype services, either turnkey or consigned materials
- 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
- PTH Automation – DIP/Axial and Radial
- SMT-0201
- PCB assembly: PTH, SMT, and mixed technology down to 10 Mills
- BGA and Micro-BGA:
  - Over 1700+ Pin Ball Count
  - Down to .25 mm
- 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
- Manufacturing capability to build complex back plane assemblies
- Test engineering: design for testability (DFT) analysis, in-circuit and functional test development
- Custom manufacturing tests including: electrical, vibration, thermal performance
- Production test capabilities: in-circuit, flying probe, boundary scan and functional
- Continuity, diagnostic, and hi-pot testing
- Automated optical / automated x-ray inspection & Manual 3D x-ray
- Environmental Test Screening
- BGA Re-Ball / Rework (Micro & Standard)
- Conformal coating capabilities: acrylic, silicon and urethane coatings, potting, and bonding
- Warranty Repair Services
- Depot Repair (out of warranty repair)
- Field service repair and spares management
- Supply chain management – EDI with all major suppliers
- Turnkey / Bonded Inventory
- Material Obsolescence Reviews
- Oracle MRP System with APS Kinaxis Simulation Capability
- Spare part inventory management
- Low cost region product and process transfer capabilities
- Direct Order Fulfillment

## 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)