

# New Product Introduction (NPI) & Prototyping

SMC staffs New Product Introduction (NPI) and prototyping professionals with years of experience to prototype products through the same manufacturing process that will be developed for sustaining production.

We believe the prototype process is in place to discover current or potential issues, validate designs, and assist companies towards production. We also understand the pressures of getting products to market quickly and can support quick turn prototypes.

## From Proof of Concept to Production - The Only Decision You'll Ever Have to Make

### BUSINESS PRINCIPLES

- Do What Is Right
- There Is Strength In The Truth
- Teamwork Is A Condition Of Employment
- Practice Continuous, Creative Improvement
- Delight Our Customers

### PROTOTYPING

- Proof of Concept
- Design Reviews
- Prototype
- Pre-Production
- To Market
- Volume Production

### INDUSTRIES SERVED

- Military Defense
- Medical Device
- Security
- High Power/High Voltage
- Industrial Controls
- Heavy Equipment
- Transportation
- After-Market Products

### CAPABILITIES

- Cellular Systems Integration
- Complex and Configurable Integrated Order to Production System
- Full Assembly Testing and Test Development
- Electrical and Mechanical Parts Sourcing – Domestic and Pacific Rim

### SERVICES

- Strategic Business Manager
- Access to Customer Project Management Portal
- Program Management
- Transition and Logistics Planning
- Supply Change Management
- Direct Fulfillment
- New Product Introduction (NPI)
- Lean Manufacturing
- Analysis Support Services
  - Manufacturability
  - Procurement
  - Testability
- 5 Separate Engineering Departments

### CONTACT US

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### CERTIFICATIONS

- IPC-A-610 Rev G
- IPC-A-610 Certified Training
- FDA Registered Manufacturing Site (Registration Number 3009627223)
- ITAR Certified
- ISO 9001:2015 Registered
- ISO 13485:2016 Registered for the Medical Device Industry
- Certified by BRE Global Loss Prevention Certification Board
- Product Certification Support CE, CSA, SGS & UL

### FACILITIES

- 45,000 sq. ft. Manufacturing Facility
- 37,000 sq. ft. Raw Material and Direct Fulfillment Warehouses
- High Tech SMT Equipment
- ESD Tile Floor
- DI Water Systems
- Inline BGA X-Ray Equipment

### MANUFACTURING PROCESS CONTROL

- Industry Specific MES - Aegis
- 5S Lean Manufacturing Practices
- Six Sigma Quality Engineering
- Aqueous and No Clean Flux Processes
- RoHs and Lead Processes

