

# ASSURING YOUR PROGRAM SUCCESS

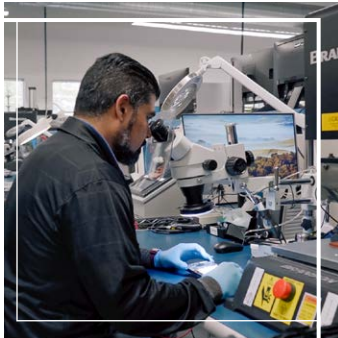
MANUFACTURING CUSTOM PCBAS AND  
ELECTRO-MECHANICAL ASSEMBLIES



OVERVIEW OF CHALLENGES AND CONSIDERATIONS IN MANUFACTURER CHOICE

## THREE REASONS WHY VERIGON IS WORTHY OF YOUR NEXT PROGRAM.

Selecting the right electronics manufacturing partner is critical, especially when performance is mission-essential. Verigon delivers not only proven technical expertise but also the resilience and strategic advantages that come with American manufacturing.



### EXPERTISE

Four decades of high-reliability electronics manufacturing across defense, aerospace, space, and energy sectors



### RESILIENCE

All production is U.S.-based, giving customers shorter lead times, tighter quality control, tariff avoidance, and supply chain security.



### AMERICAN ADVANTAGE

Every Verigon program supports U.S. innovation, skilled jobs, and national readiness – while giving you uncompromising performance.

EXPERTISE.  
RESILIENCE.  
AMERICAN  
ADVANTAGE.





MEETING THOSE CHALLENGES – HOW WE DELIVER TURNKEY MANUFACTURING SOLUTIONS

## CORE COMPETENCIES: BUILDING RELIABILITY INTO EVERY PROGRAM.

Verigon's capabilities extend far beyond assembly. Our team brings a proven mix of technical expertise, compliance management, and certified training that ensures reliability from prototype through full-scale production.

- Class 3 MIL-STD Electronics Assembly
- Advanced PCB Assembly & Integration
- Lifecycle & Compliance Management
- Environmental Protection (Coating, Potting, Encapsulation)
- Rapid Prototyping & Scalable Production
- Inspection & Testing (AOI, X-ray, Serialization)
- IPC & NASA Certified Training



OUR SUCCESS IS  
PREDICATED ON  
YOUR SUCCESS.





**FLEXIBILITY IN SERVICES CAN CONNECT WHERE YOU NEED  
US MOST - PROTOTYPING TO MANUFACTURING**

**FLEXIBLE SERVICE.  
INFLEXIBLE QUALITY.**

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We are adept at scaling our manufacturing to meet your needs, from the assembly of complex electromechanical assemblies to dedicated lines for system level assembly.

We understand that each customer is different and work collaboratively to develop integration solutions unique to your requirements. Our cross-training programs enable us to assign staff according to production needs and assure we are adequately staffed for all upcoming requirements.



**VERIGON WILL  
INVEST THE  
RESOURCES  
TO MEET YOUR  
NEEDS.**



**DELIVERING RELIABILITY AND RESILIENCE THROUGH  
U.S.-BASED MANUFACTURING**

## **MADE IN AMERICA: A STRATEGIC ADVANTAGE.**

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At Verigon, Made in America is more than a label – it's the foundation of our value to customers. By manufacturing exclusively in Phoenix, Arizona, we offer something offshore providers cannot: reliable delivery, superior oversight, and long-term program security.

Domestic manufacturing means faster response times, fewer risks from global disruptions, and stronger alignment with national security and industrial resilience. Every Verigon product supports not only your program's success but also the skilled American workforce that powers innovation.

- Shorter lead times and delivery control
- No overseas tariffs or hidden fees
- Stronger quality oversight at every stage
- Greater supply chain resilience
- Investment in U.S. jobs, skills, and innovation

Choosing Verigon means choosing performance you can count on, while strengthening America's readiness and competitiveness.

A large, vertical American flag is shown on the right side of the page, with the stars and stripes clearly visible. The flag is slightly blurred, giving it a sense of depth and movement.

# **U.S. BASED MANUFACTURING FACILITIES.**



## REVIEW OF MANUFACTURING CAPABILITIES

# PCBA ELECTRONIC AND ELECTROMECHANICAL ASSEMBLIES MADE TO LAST.

Our manufacturing facilities are equipped for high-mix, low-volume Class 3 MIL-STD products as well as high-volume production, assuring optimal quality and on-time delivery. Our advanced processes and skilled team produce assemblies that perform reliably in demanding environments.

- SMT, Through-Hole & Mixed Technology Assembly
- Double-Sided, Flex & Rigid-Flex PCBs
- 01005 Components & Fine Pitch BGAs
- Package on Package (POP)
- Die & Wire Bond, IC Packaging
- Chip on Board, Fiber Optics, RF Microelectronics
- Press-fit Connectors
- Conformal Coating, Encapsulation & Potting
- Underfill, Staking, Welding/Sealing, Marking
- Automated Optical, X-ray & XRF Inspection
- Component Tinning
- Serialization & Traceability

## HYBRID MICROELECTRONIC PRODUCTS

Verigon manufactures hybrid microelectronic products with specialized processes including die & wire bond, IC packaging, chip-on-board, fiber optics, RF microelectronics, and sealing/welding. Capabilities ensure durability in harsh environments.

- Die and Wire Bond Interconnect Technology
- IC Packaging
- Underfill and Encapsulation
- Marking
- Welding/Sealing



SKILLED IN  
UNIQUE  
SOLDERING  
ALLOYS.



## INDUSTRIES SERVED

# IF IT'S CREATING SOLUTIONS AROUND COMPLEX ENGINEERING PROGRAMS, WE'RE RIGHT AT HOME.



DEFENSE & MILITARY



AEROSPACE



SPACE/SATELLITE



ENERGY EXPLORATION



### DEFENSE & MILITARY

Manufacturing for our country's military is an honor we take seriously. As an ITAR certified military supplier, we have strict protocols for protecting confidential intellectual property. Our programs include prototype construction, part failure destruction, and stringent inventory control.



### AEROSPACE

Verigon has a broad depth of capabilities needed to support the Aerospace (Commercial and Military) customer. With XRF testing and analysis, Tinning capabilities, and multiple Conformal Coating and Staking solutions in house, our support of Flex, Rigid-Flex and Rigid PCBA manufacturing is a perfect fit for all aerospace requirements from legacy to leading edge technologies.

# MISSION CRITICAL SOLUTIONS.



## INDUSTRIES SERVED – CONTINUED



### SPACE/SATELLITE

Space is the most critical application, with components subject to intense vibration, mechanical shock, wide temperature swings, a vacuum environment, and exposure to ionizing radiation. Verigon organization is certified to J-STD-001 with Space Addendum for soldering electrical and electronic assemblies in the correct profile for vibration and cyclic thermal environments.



### ENERGY EXPLORATION

We have made a significant investment in the research and development of manufacturing process technologies that are reliable for products requiring ultra-high temperature, high shock, and high vibration operating conditions. For more than four decades, Verigon has successfully engineered, manufactured, and tested ruggedized PCBAs and electrical components for many of the largest oil field service providers in the world.

# MISSION CRITICAL SOLUTIONS.





WHY WE SHOULD BE YOUR FIRST CHOICE

## WHY LEADING PROGRAMS CHOOSE VERIGON.

Verigon delivers mission-grade electronics built to exact specifications. Our differentiators define the reliability, agility, and long-term value trusted by leading programs.

- Class 3 MIL-STD Manufacturing
- Advanced Assembly Capabilities (SMT, Flex/Rigid-Flex, Fine-Pitch, High-Density)
- Specialized Materials & Harsh-Environment Expertise
- Conformal Coating & Potting In-House
- Flexible Production: Prototype — High Volume
- Comprehensive Testing & Serialization
- Rapid Decision-Making Culture
- Customer-Centric Partnership



LEVERAGE  
VERIGON'S  
TURNKEY  
CAPABILITIES.



## HOW WE WORK

# PEOPLE AND PRODUCTION . . . VERIGON IS ALWAYS ON.

### A FOCUS ON OUR PEOPLE AND CULTURE

While we continue to invest in best-in-class production systems, we view our team as our most valuable asset. The experience, expertise, and commitment demonstrated every day by our employees provide us with the competitive advantage needed to succeed within the industries we serve.

Our culture is based on the following core competencies:

- Building and fostering customer relationships
- Respecting one another and our customers and sharing in our collective success
- Being agile, responsive, and always striving towards doing the “right thing” for our customers
- Empowering, challenging, and training our people to be the best in the industries we serve

### TRAINING DRIVES RESULTS

To provide our customers with the highest level of performance, we understand and invest in a well-trained and educated workforce. We have a fully dedicated training function with certified IPC and NASA Certified trainers on staff. We place a great deal of emphasis on ongoing and developmental training for the entire Verigon team.

Our cross-training programs also keep us flexible, able to assign staff according to production needs. By training staff and empowering them with the skills to work in multiple capacities, we are encouraging collaboration and bringing a fresh pair of eyes into the different areas of our organization.



OUR RELIABILITY  
MANDATE  
EXTENDS TO  
CUSTOMER  
ENGAGEMENT.



## QUALITY

# QUALITY STANDARDS AND CERTIFICATIONS.

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Our commitment to quality and continuous improvement is deeply embedded within the organization's culture.

### ROBUST QUALITY MANAGEMENT SYSTEM (QMS)

- Detailed first article process
- Extensive attribute data collection and real-time review
- Detailed defect reporting at the execution point
- Visual process and assembly documentation - CCAM
- Bill of Operations (Traveler) process rigidity
- Certified training and cross-training

MQPCP – Deployment of manufacturing quality process control package

PFMEA – Utilization of process failure mode and effects analysis

### CERTIFICATIONS

- ISO9001:2015
- AS9100
- ISO 13485 (Planned for Q1 2022)
- IPC-A-610A Class 2 and 3
- J-STD-001 w/ Space Addendum
- ITAR Registered

A close-up photograph of a person wearing safety glasses and a lab coat, focused on working on a circuit board. They are using a microscope to inspect the components. The background is a blurred industrial setting.

CONTINUOUS  
IMPROVEMENT  
IS DEEPLY  
EMBEDDED  
IN OUR  
CULTURE.



# CONNECT WITH VERIGON TODAY TO DISCUSS YOUR NEXT MISSION-CRITICAL BUILD.

As a leading solutions provider, our level of experience can make a difference on your next program. There is a true benefit in choosing an experienced and trusted partner that has the wherewithal to deliver to your specifications every time.

Call us to start the conversation, arrange a facility tour or request a quote.

We're always here to help and to deliver.



Phone: 480.967.8989  
Email: [info@verigon.com](mailto:info@verigon.com)  
[www.verigon.com](http://www.verigon.com)

[CONTACT US](#)