

ELECTRONICS MANUFACTURING SERVICES (EMS)

Your Trusted Partner for Product Realization from Silicon to Systems



Ciyes Systems is a deep-tech engineering and EMS partner supporting global customers across the USA, Europe, Israel, Japan and Asia. With strong expertise in silicon engineering, embedded systems and full-stack hardware development, we bring a unique advantage to Electronics Manufacturing Services - enabling faster NPI, high-reliability production and seamless scaling.

Our EMS Capabilities

- ✓ **PCB Assembly & Manufacturing**
 1. SMT & Through-Hole Assembly (Prototype to Mass Production)
 2. High-mix, Low-volume and High-volume manufacturing models
 3. Automated optical inspection (AOI) & X-Ray inspection
 4. Leaded & Lead-free RoHS compliant processes
- ✓ **New Product Introduction (NPI)**
 1. Rapid prototyping with design-for-manufacturing (DFM) feedback
 2. Early-stage engineering validation & test readiness
 3. BOM optimization and alternate sourcing support
- ✓ **Box-Build & System Integration**
 1. Enclosure assembly, wiring harness, custom mechanical integration
 2. Functional validation, firmware loading & calibration
 3. Packaging, labelling and customer-ready shipment
- ✓ **Supply Chain & Component Engineering**
 1. Global component sourcing & lifecycle management
 2. Vendor qualification & cost optimization
 3. Obsolescence mitigation strategies

Industries We Serve

- ✓ Semiconductor & Test Equipment
- ✓ Automotive Electronics
- ✓ Industrial Automation
- ✓ Medical & Life Sciences
- ✓ IoT Devices & Communication Systems
- ✓ Consumer Electronics

Ciyes's Silicon Engineering & Deep-Tech Advantage

Unlike conventional EMS vendors, Caliber brings strong Silicon-to-Systems engineering that enhances the entire product lifecycle:

- ✓ **Silicon Engineering Expertise**
 - Pre-silicon verification, post-silicon validation, FPGA prototyping
 - ASIC/SoC test development & characterization
 - High-speed interface validation (PCIe, DDR, USB, SerDes)
- ✓ **Embedded & Hardware Engineering**
 - Schematic design & multi-layer PCB design (High-speed, RF, Power)
 - Firmware development & platform bring-up
 - System validation & reliability qualification
- ✓ **How This Benefits EMS Customers**
 - Reduced design-manufacturing mismatches
 - Faster NPI cycles with early design validation
 - Better yields due to engineering-driven DFM & DFT
 - Strong debugging and failure-analysis capability
 - Lower total cost of ownership

Why Customers Choose Caliber

- End-to-end engineering + manufacturing under one roof
- Global delivery footprint
- ISO 9100, ISO 27001, AS9100D Certified
- 600+ Electronics Engineers
- Proven quality processes and customer-centric engagement
- Strong experience with complex, high-reliability electronics
- Flexible models: Prototype, NPI, Production & Sustainance