



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, CIYES 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 CIYES

- End-to-end engineering + manufacturing under one roof
- Global delivery footprint
- ISO 9001, ISO 27001, AS9100D & ANSI 20:20 ESD Certified
- 600+ Electronics Engineers
- Proven quality processes and customer-centric engagement
- Strong experience with complex, high-reliability electronics
- Flexible models: Prototype, NPI, Production & Sustainance



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