

HEADQUARTERS

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♥ MANUFACTURING PLANT

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SBA: Small Business

DUNS: MD-08-6145646

NC-04-6673198

CAGE MD-3A2K5
CODE: NC-6VGNO

ISO 9001: 2015: AS9100

ITAR: Registered FDA & FAA: Registered

NAICS: 334418, 334419, 541330,

334220, 334310, 334510, 334511, 336320, 541512,

336413

CAPABILITIES STATEMENT

ACDi is an agile electronics manufacturing services firm staffed with degreed/certified engineers/program managers and strategically located near the nation's capital and North Carolina providing electronics-based product manufacturing, design and testing services to OEMs in the military, aerospace and commercial industries.

MARKETS

Government	Aerospace	Telecommunications	Commercial
Defense	Industrial	Life Sciences	Medical

CORE COMPETENCIES AND DIFFERENTIATORS

Advanced Design & EngineeringProduction CapabilitiesInnovative Testing ProceduresConcept to Production:• Quick Production Ramp-ups• Compliance Test Failures• RF System Design• Prototype and Volume Production• System Failure Analysis• Mechanical Design• Automated Circuit Card Assembly• Regression Testing• Design for Assembly• Chassis and Box Build• System Integration• AOI• PCB Layout• System Integration• ICT and Functional Test• Component Selection• Multiple Strategic Locations• ICT and Functional TestProgram Management• IPC Class 3 / J STD for Critical Military Application Specifications• ESD Program• Integrated Product / Logistics Support• Obsolescence / Long-Lead Mitigation• Progressive Quality Check• Prompt Returns• Obsolescence / Long-Lead Mitigation• Specialized Packaging Standards• Routine Production Communication• RF / Digital Hardware• ROHS Compliant• Fully Integrated CAD Systems• Nuclear 10CFR Certified
 RF System Design Circuit Design Mechanical Design Design for Assembly PCB Layout Component Selection Automated Circuit Card Assembly Chassis and Box Build System Integration Multiple Strategic Locations Total Supply Chain Management Integrated Product / Logistics Support Prompt Returns Routine Production Production Prototype and Volume Production Communication Prototype and Volume Production Automated Circuit Card Assembly Rot Assembly Chassis and Box Build System Integration ICT and Functional Test Superior Quality Control ESD Program Progressive Quality Check Corrective Action for Non-Conforming Material Specialized Packaging Standards RoHS Compliant
 Total Supply Chain Management Integrated Product / Logistics Support Prompt Returns Routine Production Communication Integrated Product / Logistics Support Obsolescence / Long-Lead Mitigation BGA X-Ray and Rework Ref / Digital Hardware RoHS Compliant
Management Critical Military Application Specifications Integrated Product / Logistics Support Obsolescence / Long-Lead Mitigation Prompt Returns Routine Production Communication Ref / Digital Hardware Fully Integrated CAD Systems Progressive Quality Check Corrective Action for Non-Conforming Material Specialized Packaging Standards ROHS Compliant
 Counterfeit Prevention Program
Value-Added Services
 Lot Control and Traceability New Product Introduction Onsite Tools / Layout Software DFM Industrialization

PAST PERFORMANCE

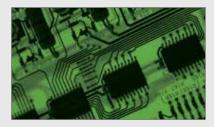
- CellWatch
- Cubic Corporation
- G3 Technologies
- GE Hitachi Nuclear Energy
- Harris

- Iridium Satellite Comm.
- Jefferson Lab
- Lockheed Martin
- Northrop Grumman
- Orbis Solutions
- Restorative Therapies
- Sandia National Labs
- U.S. Army
- U.S. Navy
- Xerox















ACDi Services Summary

SMT Assembly

- Rigid, Flex, Rigid-Flex
- 01005, 0201, High-Pin Count BGAs, Micro BGAs, Part On Part
- In-Line 3D AOI, X-Ray Inspection
- Conformal Coat, Underfill, Potting And Ultrasonic Welding
- BGA / QFN / Connector Removal / Replacement
- 3D Solder Paste Inspection

Systems Manufacturing

- High-Mix Configurations
- Process Engineering
- Configuration Management, Serialization
- Quick Production Ramp Ups
- 100% Turnkey Solutions

Engineering Services

- Requirements and Electrical Hardware Design
- Mechanical Design
- Product Evaluation
- Sustaining Engineering
- Test Procedure
- Test Fixture Development

PCB Layout Services

- High Frequency RF Designs
- High Speed Digital Designs
- Multiple Layers 26+
- Low EMI Designs For Sensitive Applications
- Stacked, Blind and Buried Vias

Cables and Harness Assembly

- Complex, Smart Cables
- Ribbon, Coaxial, RF Twisted-pair, Fiber Optic
- Mil-Spec, Medical, Commercial
- Leak / Immersion Testing
- Opens-Shorts and HiPot Testing

Test and Integration

- Functional Testing
- JTAG Testing
- Flying Probe Testing
- Custom Test Fixture Design
- ICT / Bed of Nails Testing

Supply Chain and Program Management

- Counterfeit Prevention Program
- Order Fulfillment
- Total-Concept-Engineering / Manufacturing
- Program Management One Point Of Contact To Manage The Entire Process