Compass Systems offers a full range of Cable Harness and Electro-Mechanical Box manufacturing. Our 15,000sq ft production facility is ISO 9001:2008 Certified. Our production staff are fully IPC-620 Certified. Compass Systems can support standard build-to-print manufacturing as well as supporting you at any stage of design, prototyping, and manufacture of your products.

**Cable Harness Manufacturing**
Using the latest manufacturing techniques, our harness building capability includes: Coax, Twinax, Quadrax, MIL-STD, Potting, Multi-leg, On-Site Repair Services, and more.

**Quality Assurance**
Our quality system is ISO-9001:2008 Certified. Our cable harnesses are built to strict IPC-620 Standards throughout the manufacturing and inspection processes.

**Inventory & Kitting**
All parts are inspected, stocked, and controlled throughout inventory and kitting operations.

**Custom Fixtures & Equipment**
Our facility utilizes a wide range of calibrated crimp, test, and assembly equipment including multiple custom fixtures & manufacturing aids to increase quality and production throughput.

**Testing**
Automated as well as Custom Test Equipment for all Cable Harness and Box Builds. Testing Certifications are available upon request.

For more information, please contact a sales representative: sales@compass-sys-inc.com

Manufacturing Services

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**Testing**
Automated as well as Custom Test Equipment for all Cable Harness and Box Builds. Testing Certifications are available upon request.
Compass Systems capabilities include Mechanical Engineering with the associated loads analyses and drafting support (AutoCAD, Pro/E, SolidWorks, and CATIA), Electrical Engineering including power system design, circuit board design and testing, and software development (Linux environments with a specialty in embedded C/C++ development under both Windows and Linux). Compass Systems’ Manufacturing Services team also offers a full range of design service specialties in the following areas:

**Mechanical Engineering**
- Structural Analysis
- FEA/FEVD
- CAD (2D/3D)
- CAD Drafting
- Machine Design
- Sheet Metal Drafting
- Drafting
- SolidWorks
- Microsoft Office 365
- Design of Experiments
- FMEA

**Electrical Engineering**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Software Engineering**
- Software Design
- Hardware Design
- Test System Design
- Test System Development
- Test System Configuration
- Test System Integration

**Mechanical Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Electrical Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Cable Harness Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Mechanical Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Software Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

Whether it be first article prototypes that you needed yesterday, or a comprehensive design requiring full product development services, testing, technical data package generation and certification, Compass Systems is standing by, ready to quickly meet your project needs.

**Compass Systems**
Compass Systems is a recognized leader in researching, analyzing, designing, building, developing, integrating, and testing for some of the world’s most advanced systems. Whether you are looking for a single component, a product solution, or a complete system, Compass Systems can provide the quality and performance you require.

**Experienced Operators**
- Platform Installation
- To End Simulation Prior To Design
- Authorized Reseller of Systems (AN/AES-1 ALMDS).

**Systems Engineering and Technical Assistance (SETA)**
- Compass provides SETA contractors to assist the DoD whether it be first article prototypes that you needed yesterday, or a comprehensive design requiring full product development services, testing, technical data package generation and certification, Compass Systems is standing by, ready to quickly meet your project needs.

**Cable Harness Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Electrical Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

**Software Design**
- Design and Development of Sensor Systems
- Design and Development of Communication Systems
- Design and Development of Control Systems

Whether it be first article prototypes that you needed yesterday, or a comprehensive design requiring full product development services, testing, technical data package generation and certification, Compass Systems is standing by, ready to quickly meet your project needs.
Compass Systems capabilities include Mechanical Engineering with the associated loads analysis and distress support (AutoCAD, Pro, SolidWorks, and CATIA), Electrical Engineering including power system design, circuit board design and production, Software Engineering and Development, Systems Engineering for Naval Avionics platforms (Heli, rotary wing and UAV) and Field Services Representative. (PSA) (Techniques for Field Operations, Maintenance and Invariant Engineering). Our dedicated software development team includes highly skilled developers in Visual Basic, C++, C#, Java, and Python scripting. We possess an extensive capability to develop custom applications, data-base designs and more.

Compass Systems Manufacturing Services offers the following areas:

- **Cable Harness Design**: Rapid harness design services focusing on the highest quality and speed, fully assembled, UAV/EMI/EMC integration and testing, environmental testing and design, and design for Manufacturing Assembly (DFMA) and more.

- **Mechanical Design**: Designing from fabricated sheet metal to rugged C4I Multi-Model Systems, ATE chassis and power systems, micro controllers, printed circuit cards, and more.

- **Electrical Design**: Emerging from custom fabricated circuit board (PCB) design and integration, to system level COTS (Commercial Off-The-Shelf) design, and testing. Technical areas of essential power system, sensors, micro controllers, FPGAs, EMI/EMC, and more.

- **Software Design**: Custom development for both Windows and Linux environments with a specialty in embedded Linux programming. Technical areas of essential software design, E2I integration, graphical user interface, mapping applications, data base designs and more.

Whether it be first article prototypes that you needed yesterday, or a comprehensive design requiring full product development services, testing, technical data package generation and certification, Compass Systems is standing by, ready to quickly meet your project needs.

For more information please contact: sales@compass-sys.com.
Engineers are at work monitoring flight characteristics and functional operations.

Manned & Unmanned System Services

Compass Systems offers a comprehensive set of services to support manned and unmanned flight assessment, training, and field support with qualified operators and field technicians in direct support of OCONUS & CONUS unmanned system field operations and services.

For more information please contact a sales representative: sales@compass-sys.com
Compass Systems Inc. is ISO-9001-2008 Certified
Registration No. 130602.1Q
Website: compass-sys-inc.com   |   Email: sales@compass-sys-inc.com
For more information please contact a sales representative: sales@compass-sys-inc.com

Compass Systems offers a full range of Cable Harness and Electro-Mechanical Box manufacturing. Our 15,000 square foot production facility is ISO 9001:2008 Certified and all production staff are IPC-620 Certified. Compass Systems can support standard build-to-print manufacturing as well as supporting you at any stage of design, prototyping, and manufacture of your products.

MANUFACTURING SERVICES

CABLE HARNESS MANUFACTURING
Using state-of-the-art manufacturing techniques our harness building capability includes: Coax, Twinax, Quadrax, MIL-STD, Potting, Multi-Leg, On-Site Repair Services, and more.

QUALITY ASSURANCE
Our quality system is ISO 9001:2008 Certified. Our cable harnesses are built to strict IPC-620 Standards throughout the manufacturing and inspection processes.

ELECTRO-MECH BOX BUILDS
Complete fabrication, assembly, and integration of PCB/CCA into machined housings, cables, connectors, hardware, and more.

INVENTORY & KITTING
All parts are inspected, stored, and controlled throughout inventory and kitting operations.

CUSTOM FIXTURES & EQUIPMENT
Our facility utilizes a wide range of calibrated crimp, test, and assembly equipment including multiple custom fixtures & manufacturing aids to increase quality and production throughput.

TESTING
Automated as well as Custom Test Equipment for all Cable Harness and Box Builds. Testing catalog available upon request.

MANUFACTURING SERVICES

Cable Harness Manufacturing
Using the latest manufacturing techniques and state-of-the-art equipment, our facility is ISO 9001:2008 Certified. Compass Systems can support standard build-to-print manufacturing as well as supporting you at any stage of design, prototyping, and manufacture of your products.

WEBSITE: compass-sys-inc.com | EMAIL: sales@compass-sys-inc.com

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Registration No. 130602.1Q
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**Cable Harness Manufacturing**
Using the latest lean manufacturing techniques we ensure building capability includes: Coax, Twinax, Quadrax, MIL-STD, Potting, Multi-leg, On-Site Repair Services, and more.

**Quality Assurance**
Our quality systems are ISO-9001-2008 certified. Our cable harnesses are built to strict IPC-620 standards throughout the manufacturing and inspection process.

**Electro-Mech Box Builds**
Complete fabrication, assembly, and integration of PCB/CCA into machined housings, cables, connectors, hardware, and more.

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