

“DEDICATED TO CUSTOMER SATISFACTION”

At Universal Electronics, “Dedication to Customer Satisfaction” has been the backbone of our business for over 35 years. In addition to providing proto, NPI, and volume PCBA’s UEI offers complete product assembly (box build) services for a wide range of products in many market segments.

UEI has two certified facilities in the upper Midwest. The Whitewater, WI facility is ISO9001:2008, ISO13485:2003, FDA, and ITAR registered and the East Troy, WI facility is ISO9001:2008 and ITAR. UEI serves a variety of industries including Medical, Industrial, Telecom, Lighting, Security, and Laboratory and has been advancing manufacturing technologies and delivering on its mission to be the leading provider of electronics contract manufacturing and services for the last three decades.

Box Build Assembly - “Custom Solutions”:

UEI has dedicated resources available for box build programs assisting customers that need additional manufacturing support to bring their products to market. From simple to complex product assemblies an experienced UEI Program Manager will work directly with your team and manage all nuances bringing your product to market. Our manufacturing turnkey solution includes:

- Electro-Mechanical Assembly (Subassembly to Full Build)
- Complete System Integration and Firmware Loading
- Automated Conformal Coating
- Complete Product Testing & Burn-In
- Custom Packaging
- Direct Fulfillment and Configure to Order
- Serialization, Lot Control, and Traceability
- Repair Depot and Sustaining Services





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BOX BUILD ASSEMBLY

Test, Supply Chain, and Engineering Services:

UEI provides value-add manufacturing services that includes DFx (DFF, DFT, DFM), Test Analysis and Development (ICT, FCT), and Component Life-Cycle Review. Using state of the art software tools (Valor NPI, SiliconExpert, Epicor) with investment in capital equipment (Flying Probe, AOI, X-ray) and supported with experienced engineers we are capable in supporting simple sub-assemblies and fully integrated box build programs for global distribution.

- Test Strategy and Fixture Development
- Design for Excellence Using Valor NPI (DFF, DFT, DFM)
- Coordinate-Measuring Machine and Optical Comparator for Inspection and Verification
- Automated Functional Test Using Rack and Stack Equipment
- Bench Testing
- BOM Review Using SiliconExpert

Custom Work Cells and Fulfillment Strategies:

UEI has over 126,000 sq/ft of state-of-the-art manufacturing that is supported with a robust quality team and led by a very experienced manufacturing group.

- Work Cells Teams Include Quality, Engineering, Test, and Program Management
- KanBan Programs for Finished Goods
- Direct Fulfillment and Configure to Order
- Order and Aftermarket Support to Customers Anywhere in the World
- Finished Goods KanBan Stocking Programs

Founded in 1980, UEI is a privately held ISO 9001:2008, ISO13485:2003, ITAR, and FDA registered full service electronics contract manufacturer. With over three decades of manufacturing excellence, UEI has become the leading provider of contract manufacturing services for many industries, including: Medical, Industrial, Telecom, Laboratory, Consumer, Lighting, and Security. UEI employs approximately 300 people at two state-of-the-art facilities in WI.



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