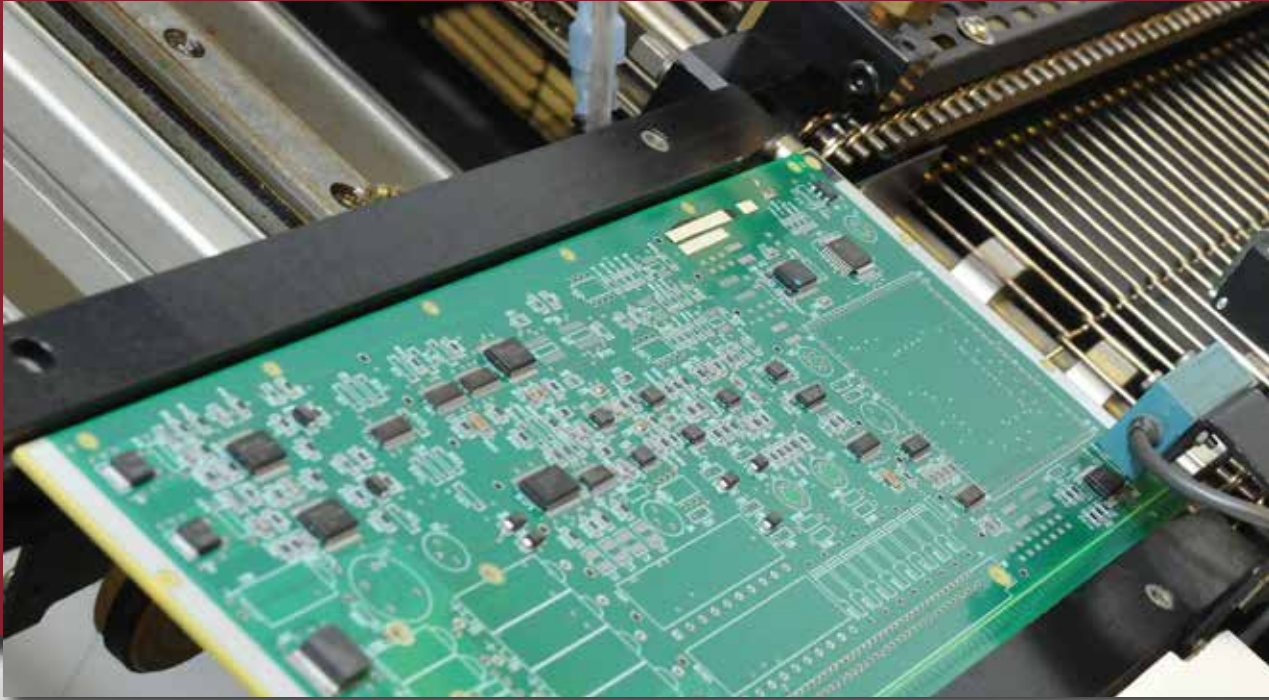




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**ELECTRONICS & WIRING
CONTRACT MANUFACTURING**



ELECTRONICS ASSEMBLY

Electronics Manufacturing Services

Working with your drawings and specifications, Projects Unlimited provides world-class workmanship, high-precision manufacturing equipment, in-house ESS and complete functional system testing capabilities that are the envy of many larger companies. Our unique mix of automated and hand-operated procedures allows us the flexibility to assemble almost any electronic device with limitless capabilities.



Surface Mount Technology (SMT)

Our automated SMT equipment is used to pick and place components (as small as 01005) with the highest degree of precision and accuracy. For densely populated circuit cards, SMT placement is the ultimate in exacting placement with minimal tolerances.

Boards:

- Single
- Multi-Layer
- Rigid
- Rigid-Flex

Solder:

- Lead/Lead Free
- Selective Soldering
- Wave Soldering
- Hand Soldering
- Robotic Soldering

Placement:

- Single-Sided CCA's
- Double-Sided CCA's
- BGA and μ BGA
- Flip Chip
- Capable of 01005 Placement

Encapsulating:

- Conformal Coating
- Potting

Inspection:

- Flying Probe
- 3D X-Ray
- AOI Automatic Optical Inspection
- In Circuit Test (ICT)



Through-Hole Technology (THM)

Legacy electronics will be around for a long time to come, and Projects Unlimited is committed to supporting them. These electronics often require hand placement or semi-auto insertion of components, and our skilled operators have the training and experience to do it right.

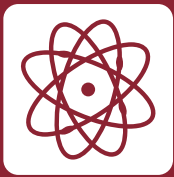
We also provide Repair & Overhaul services for the electronics we manufacture.

Assembly & Testing

Integrating circuit cards and wiring together into completed box units is what we do best. Once configured, the completed unit is tested according to your specifications to ensure it is a fully functioning unit.

- Complete Functional System Testing
- HASS (Highly Accelerated Stress Screening)
- HALT (Highly Accelerated Life Test)
- Burn-In Testing
- Vibration Testing (all 3 axes: X, Y, and Z)





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EXPERIENCE AND TRUST



Your electronics are critical to overall systems operations, and the company you choose to manufacture your electronics is just as critical.

That's why smart companies come to Projects Unlimited to assemble their electronics. The vast manufacturing, assembly, and testing capabilities of Projects Unlimited are backed by quality and experience that you can trust.

Being a Contract Manufacturer, or Electronics Manufacturing Services (EMS) provider, Projects Unlimited has seen and done it all over the years. Our experience is based on a foundation that stems back to our company's founding in 1951.

Over the years, we've invested heavily to provide state-of-the-art equipment, advanced training for our employees, made countless process improvements, and earned the highest certifications possible to ensure you get the best quality possible.

Quality Management

Dedicated to providing quality standards that meet your requirements, Projects Unlimited is proud to maintain the following stringent standards:

- AS9100D
- ISO 9001:2015
- Nadcap Electronics Accredited
CCA- Circuit Card Assembly

Trained Professionals

Providing you with top-notch manufacturing personnel to work on your projects, our operators are trained and certified to the most current specifications and techniques.

- IPC-A-610
- ANSI/ESD S20.20 ESD Control
- IPC J-STD-001 Class 3 Electronics
- IPC-7711 and IPC-7721 Certification

Project Support

You're not alone when you work with Projects Unlimited. Our team of experts will help you through every phase of production to ensure your project is a complete success.

- Dedicated Program Managers
- Manufacturing Engineering Support
- Purchasing
- Obsolescence Management



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Company Identification

CAGE Code: 04597

DUNS Number: 004277869

FAA Certified Repair Station: PU8R860N

NAICS (North American Industry Classification System)

334418 Printed Circuit Assembly (Electronic Assembly)

335931 Current-Carrying Wiring Device Manufacturing

334419 Other Electronic Component Manufacturing

336413 Other Aircraft Parts & Auxiliary Equipment Manufacturing

334511 Search, Detection, Navigation, Guidance, Aeronautical, and
Nautical System & Instrument Manufacturing

334513 Instruments and Related Products Manufacturing for Measuring, Displaying,
& Controlling Industrial Process Variables

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