

Prime Advanced EMS Solutions

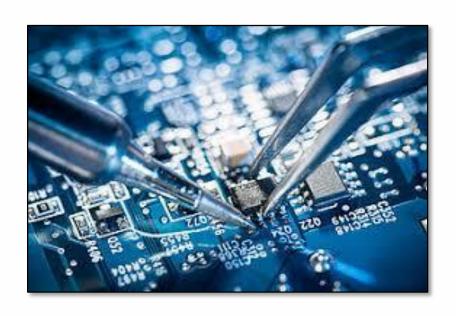






About Us





- Advanced Tier 3 EMS in Atlanta since 1989
- Precision manufacturer of custom build-to-print PCBAs, HDI PCBAs, and electronic assemblies
- Priorities are trust, integrity, responsiveness, time-to-market, and precision workmanship
- 50,000 sq. ft. secured facility, experienced operators, four (4) SMT lines
- Customers are Tier 1 to Tier 3 Aerospace & Defense, Avionics, Medical,
 Industrial, and Commercial OEMs



Services & Capabilities





- Turnkey or consigned assembly of rigid & rigid-flex PCBAs
- Precision HDI SMT lines for mission-critical electronics
- 3D Paste Inspection, 3D Inline AOI, 100% X-Ray Inspection
- Traceability and lot control with QR barcoding
- System level box build, integration, coating, potting, and ruggedization
- Prototyping to production support through End-of-Life
- High mix, low to higher volume lot sizes, over 500,000 custom assemblies per year, over 450 different assembly types



Because You Matter





the engineering, manufacturing, quality, and supply chain capabilities to rival Tier One EMS competitors. Our key differentiators are our financial strength, flexibility, energy and resolve to help you succeed.

• **Guaranteed Workmanship** – We offer a workmanship warranty, and invested \$2.5 million in advanced robotics technologies for precision quality and quicker time-to-market, as well as offering advancement programs and training classes to our employees that incentivize tenure and expertise.



Our Culture





 Culture of Quality – We promote a culture of quality, flexibility, organization, cleanliness, values, integrity, and a dedication to customer satisfaction. Financial Stability – We have invested heavily in the most advanced manufacturing technologies and professional staff. We have extensive working capital and capacity to fulfill the largest and most complicated orders.





HDI PCB Assembly





- High Density Interconnect (HDI)
 SMT Lines 3D solder paste inspection, high-speed precision Panasonic chip shooters, 13-zone convection ovens, 3D in-line AOI
- Technology rigid or rigid-flex HDI PCBAs with blind and buried vias and microvias, 0.3mm BGA/FPGA, 01005s to 0201s
- Inspection 100% in-line 3D AOI and X-Ray on every BGA and leadless chip
- Operators IPC/J-STD trained to Class 2 and 3, IPC-A-610 certified inspectors



Precision PCB Assembly





- Precision SMT Lines 3D solder paste inspection, two (2) highspeed Siemens or Assembleon chip shooters, 13-zone convection ovens, AOI
- Technology rigid and metal PCBAs, fine-pitch and standard ICs, 0402s to 1206s

- Inspection 100% X-Ray on every BGA and leadless chip, batch AOI
- Operators IPC/J-STD trained to Class 2 and 3, IPC-A-610 certified inspectors



System Level Assembly





Automated Conformal Coating –
 acrylic, urethane, and silicone
 coating, ensures accurate viscosity
 and eliminates the need for costly
 masking

- Box Build full system integration and testing of PCBAs, cables, harnesses, and sub-assemblies
- PCBA Ruggedization selective solder, underfill, staking, potting





Engineering & Testing





- Design Engineering Prime offers Design for Manufacturability (DFM) review, and Design for Testing (DFT)
- Process Engineering Prime reviews gerber and CAD data, and evaluates aperture volumes for stencil designs, programs and balances SMT lines
- Testing dedicated testing team for analog, digital, RF, or power applications, including HP 3070 in-circuit testing (ICT), bed of nails, boundary scan, and JTAG



Prime Traceability & Value Adds





- **Traceability and Lot Control** every PCBA has its own QR barcode for tracking reels and materials back to specific suppliers
- **Counterfeit Parts** detection per IDEA-STD-1010

- RMAs two week repair metric for workmanship issues per IPC 7711
- **ESD** compliant to ANSI/ESD S20.20-2014





Certifications & Codes



Certifications

ISO 9001:2015

AS9100 Rev D

ISO 13485:2016

IPC-A-610

J-STD-001

ITAR Registered

JCP DD 2345 Certification #0059346

PPAP

Codes

Cage Code: 48QT6

NAICS: 334418

SIC: 3571, 3679

DUNS: 620494682



Certificate of Registration

Perry Johnson Registrars, Inc., has audited the Quality Management System of:

Prime Technological Services, LLC
2925 Shawnee Industrial Way N.W. Suite 200, Suwanee, GA 30024 United States

(Hereinafter called the Organization) and hereby declares that Organization is in conformance with:

ISO 9001:2015 and AS9100D

This Registration is in respect to the following scope:

Electronics Manufacturing Services and Assembly, Providing Printed Circuit Board, In-Circuit Electrical Testing, Top-Level Mechanical Assembly and Printed Circuit Board Prototype Assembly in Compliance with Customer Provided Design Specifications (the assessment was performed in accordance with ASSIAUT. 1017-01. P.R. is accredited under the ICOP scheme)

This Registration is granted subject to the system rules governing the Registration referred to above, and the Organization hereby covenants with the Assessment body duty to observe and comply with the said rules.



Effective Date

July 29, 2016





The validity of this certificate is dependent upon ongoing surveillance
Revision Date: Expiration Date:

April 27, 2018 July 28, 2019

Certifisate No.: C2016-01930-R1



Thank You!



We appreciate the opportunity to earn your trust and business!

Prime Technological Services, LLC

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