



// NPI THROUGH PRODUCTION

35⁺

YEARS IN OPERATION

4 SMT LINES

CAPABILITIES.

US BASED • SINCE 1989 • ITAR REGISTERED • ISO 9001 CERTIFIED • CMMC L2 TARGETED Q1 2027 • CAGE 34UT9 • DUNS 605538743 • UEI MG56G2DQJLY3

01 DESIGN FOR MANUFACTURABILITY

Manufacturability • Cost • Component Availability & Alternates • Testability • Custom Test Fixtures & Jigs • Engineer Review on Every Order

03 TEST, DEBUG & REWORK

Rework • Debug • Repair • Flying Probe • 3D AOI • 5D X-Ray • SPI In-Line • Visual • Ionic Contamination • High Potential • Boundary Scan • In-Circuit • Power-Up • Functional • Automatic Cable Eye Tester

05 CABLE & HARNESS ASSEMBLY

Internal + External Harnesses • Fiber Optics • RF • Power • Shielded + Un-Shielded • Twisted Pair • Coax • Flex • Heavy Gauge + Overmolding • IPC/WHMA-A-620

07 CUSTOM DIE CUTTING

Labels • Gaskets • VHB Tape • Thermal Pads

02 PCB ASSEMBLY

SMT • Thru-Hole • Prototype • New Product Introduction • Production • Full Turnkey • Consignment • Device Programming • IPC Class 3

04 COMPONENT PROCUREMENT

Turnkey • Consigned • Cut Tape & Loose Reels • Obsolete and Hard-to-Find Components • Domestic-Only Sourcing (ITAR-Compliant)

06 BOX BUILD & SYSTEM INTEGRATION

Complete Electro-Mechanical Assembly • Housing & Fabricated Part Sourcing • Complex Integration with Software Download • Final Test & Acceptance

TRUSTED BY OUR CUSTOMERS — RECENT BUILDS

34-layer board, ~4k parts, IPC Class 3, 100% passed final test
Zynq-based control PCBA for a laser generator
EMI filter board for a 30–60 kW plasma tool
28-layer antenna command and control board
Transport safety sensor modules, designed and built by BSU

08 TOP INDUSTRIES SERVED

AEROSPACE, SPACE & DEFENSE • AUTONOMOUS VEHICLES & TRANSPORTATION • UNDERWATER VESSELS • ROBOTICS • SEMICONDUCTOR EQUIPMENT • INDUSTRIALS & ENERGY

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at bsuinc.com

Case studies:
bsuinc.com/case-studies

Full technical specs:
bsuinc.com/technical-specifications

OUR PROMISE

- ▶ No minimum order quantity
- ▶ Quotes in 3–5 business days
- ▶ 2–6 week delivery
- ▶ Rev A/B turns in days

GET IN TOUCH

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