

HIGH-RELIABILITY MANUFACTURING FOR UAS, EOIR & MISSION-CRITICAL DEFENSE APPLICATIONS

Technical Depth. Disciplined Execution. Responsive Manufacturing For Complex Defense Programs.

Defense companies need manufacturing partners that support complex programs without compromising quality, documentation or reliability. Libra brings together Circuit Card Assembly (CCA) manufacturing, RF Test Engineering, precision metals, chassis fabrication and integration-ready subassemblies across UAS, EOIR and adjacent mission-system critical applications — from unmanned aircraft and guided munitions to avionics and electronic warfare.

CCA & ELECTRONICS

- **CCA Manufacturing** — IPC Class 3 experience, quality and documentation discipline for mission-critical electronics
- **RF Test Engineering to 26.5 GHz** — key differentiator for EOIR, avionics and electronic warfare
- **Micro BGA Placement & Reball** — high-density, high-reliability CCA support
- **Underfill** — capability now online
- **Integration Testing** — assembly and test for integration-ready builds
- **VAVE** — proactive cost and manufacturability support
- **HALT/HASS** — investment underway

METALS & MECHANICAL

- **Chassis, Frames & Fabrication** — sheet metal, structures and precision welded assemblies
- **Precision Machining** — tight tolerances, complex geometries, documentation discipline (+/- .0002)
- **Wire EDM** — 1-micron tolerances, difficult materials and complex geometries
- **Metals + Electronics Integration** — consolidated supply chain, fewer handoffs
- **Integration-Ready Subassemblies** — “We build what you integrate”
- **SBA Qualification** — where applicable to program requirements
- **Powder Coat** — where relevant to program finishing requirements

LIBRA IS A STRONG FIT WHEN PROGRAMS REQUIRE

- Low-volume, high-mix, high-reliability manufacturing
- CCA for mission-critical electronics
- RF Test Engineering \geq 26.5 GHz
- Precision metals, chassis, frames and fabrication
- Precision machining and Wire EDM cross-sell
- Consolidated metals + electronics supply chain
- Responsiveness to ECOs, ramps and urgent timelines
- Documentation discipline and program accountability
- ITAR / U.S.-based manufacturing requirements
- NIST 800 (CMMC Level 2)

Need a manufacturing partner for complex Defense programs? Let's talk.

Contact Libra Industries | www.libraindustries.com | sales@libraind.com

BUILT TO DELIVER