

QUANTUM ETCH SOLUTIONS™

CAPABILITY STATEMENT

Forensic Verification & Precision Marking · Huntsville, Alabama

Quantum Etch Solutions (QES) delivers mobile on-site forensic verification, zero-vaporization laser annealing, and multi-year immutable compliance archiving for aerospace & defense subcontractors. Built on more than 20 years of aerospace systems engineering experience.

CORE COMPETENCIES

- Mobile On-Site Verification (VaaS) — MIL-STD-130N & AS9132B code grading
- MOPA Fiber Laser Annealing & Direct Part Marking (DPM)
- Multi-Year Immutable Compliance Vaulting
- Emergency IUID Remediation — 24–48 hr turnaround
- Pre-Audit Infrastructure & Marker Diagnostics
- Zero-Thermal-Stress UV Precision Marking
- Multi-Substrate Optical Grading (ISO/IEC 15415 & 29158)

DIFFERENTIATORS

- 20+ years aerospace systems engineering leadership
- On-site mobile service — no shipping delays for verification
- Cryptographically secured, air-gapped multi-year record vaulting
- Direct alignment to MIL-STD-130N, AS9132B, NASA-STD-6002
- Based in Huntsville, AL — Redstone Arsenal / North Alabama corridor
- Small, specialized team of consultants & technical staff for responsive service

INDUSTRIES SERVED

Missile & Strategic Weapon Systems · Military Aviation & Flight Hardware · Spaceflight Hardware & Optics · Tactical Electronics & C4ISR

ABOUT QES

Quantum Etch Solutions is owned and operated by T. Dean Nunn, an aerospace systems engineer with more than two decades of high-consequence industry and systems engineering experience, supported by a small team of specialized consultants and part-time technical staff. QES operates as a dedicated compliance partner for defense and aerospace subcontracts — engineered to insulate prime contractors from quality non-conformance penalties while ensuring full tracking data integrity within a hardened, secure framework.

COMPANY DATA

Business Classification	100% U.S. Minority-Owned & Operated Small Disadvantaged Business (SDB)
NAICS	541330, 332710, 332812, 336413, 339112, 541380
CAGE	1AYX6
UEI	VMWDNN1QJQN6
Location	Huntsville, Alabama

POINT OF CONTACT

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QES is not affiliated with, endorsed by, or a representative of the Department of the Army or the Department of War. All services are performed in accordance with applicable industry and federal compliance standards.