



CAPABILITY STATEMENT

Semiconductor & Cleanroom Capability Statement

Contactless scanning protocols for active fabs. ISO cleanroom-compliant workflows.

INDUSTRY OVERVIEW

Semiconductor fabs are the most demanding scanning environments in the industry. Cleanroom protocols, vibration sensitivity, EHS oversight, and tool install schedules leave zero room for documentation error or operational disruption. Most scanning vendors have never set foot in a fab.

We've built fab-specific protocols from the ground up: contactless scanning that respects ISO Class 5 and below environments, gowning and equipment decontamination procedures, EHS coordination for active process areas, and field crews trained on fab-specific safety and access requirements.

CORE SERVICES

- 3D Laser Scanning & Reality Capture
- Scan-to-BIM Modeling (LOD 200 – 500)
- BIM Coordination & Clash Detection
- MEP Detailing & Prefab-Ready Models
- Digital Twins & As-Built Documentation

TYPICAL DELIVERABLES

- Process bay and tool-area existing conditions scanning
- Sub-fab and central utility building (CUB) documentation
- LOD 350+ MEP coordination for ultra-pure water, gas, exhaust, and process chemical systems
- Tool install pre-scanning and as-installed verification
- Cleanroom-ready CAD and BIM deliverables in fab-standard formats

SPECIALIZED CAPABILITIES

- ISO Class 5 / Class 1000 cleanroom-compliant equipment and procedures
- No-touch, no-vibration scanning protocols
- Background-suppressed deliverables (no proprietary tooling visible)
- NDA-cleared field crews
- Coordination with EHS, facilities, and process integration teams

REPRESENTATIVE METRIC

ISO 5

Cleanroom protocols supported

CERTIFICATIONS

- OSHA 10 / 30 certified field teams
- Autodesk Certified Professional — Revit
- Leica RTC360 & FARO Focus certified operators