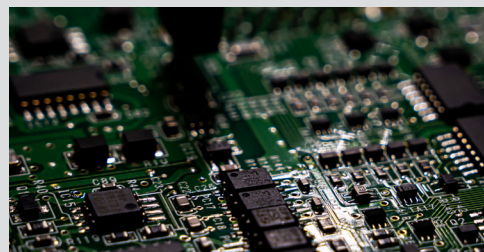


SEMICONDUCTOR FACILITY CLEANING CHECKLIST

Maintain a Clean, Efficient, and Secure Cleanroom Environment

Cleanroom integrity is **essential to semiconductor manufacturing**. This checklist provides clear, actionable steps to standardize cleaning procedures, maintain ISO compliance, and reduce contamination risk. Use it to ensure consistency, safety, and quality across all facility operations.



Cleanroom Preparation

- ☐ Verify PPE is worn correctly (gown, gloves, shoe covers, mask)
- ☐ Review cleaning schedule and standard operating procedures (SOPs)
- ☐ Inspect approved cleaning supplies (non-shedding wipes, HEPA vacuum, cleanroom detergents)
- ☐ Verify all equipment is authorized and cleaned for cleanroom use
- ☐ Log entry into the cleanroom cleaning logbook

Protocol Adherence

- ☐ Follow unidirectional cleaning path (top-to-bottom, clean-to-dirty)
- ☐ Change gloves when soiled or after cleaning each zone
- ☐ Never reuse wipes or cloths between zones
- ☐ Do not touch face, mask, or exposed surfaces during cleaning
- ☐ Clean from low-particle to high-particle areas to minimize cross-contamination

Reporting & Documentation

- ☐ Log date, time, and personnel responsible for cleaning
- ☐ Note any deviations from SOPs or incidents
- ☐ Record equipment malfunction or cleaning delays
- ☐ File completed checklist with shift supervisor or quality team
- ☐ Submit weekly summary report

Semiconductor Cleanroom Cleaning Best Practices

- ☐ **Follow strict gowning protocols** – Always dress in the correct order and inspect garments for damage or contamination before entering the cleanroom.
- ☐ **Move with control** – Walk slowly, avoid sudden movements, and minimize talking to reduce particle generation.
- ☐ **Use only approved materials** – Ensure all tools, wipes, and chemicals are cleanroom-safe and pre-approved for use.
- ☐ **Clean methodically** – Always clean from top to bottom, clean to dirty, using fresh materials for each zone.
- ☐ **Document everything** – Log all cleaning activities, deviations, and incidents to maintain traceability and compliance.

Cleaning Tasks by Zone

General Cleanroom Area

- ☐ Wipe down horizontal surfaces (benches, shelves) — Daily
- ☐ Mop floors using approved cleanroom mop and detergent — Daily
- ☐ Vacuum floors and corners with HEPA-filtered vacuum — Daily
- ☐ Clean walls with non-shedding cloth and approved cleaner — Weekly
- ☐ Inspect and clean ceiling tiles (as needed with gloves) — Monthly

Equipment & Tools

- ☐ Wipe down external surfaces of all tools — Daily
- ☐ Disassemble and clean internal parts per SOP — Weekly
- ☐ Verify cleanliness of tool interfaces (screens, buttons) — Daily

High-Sensitivity Zones (ISO Class 5 or Better)

- ☐ Perform particle count checks — Daily
- ☐ Wipe down with IPA solution — Per Shift
- ☐ Change tacky mats at entry points — Daily or As Needed
- ☐ Vacuum and dust server racks/cabinets using HEPA-filtered vacuums
- ☐ Check underfloor areas for dust accumulation and remove debris
- ☐ Inspect and clean cable trays to prevent dust and particle buildup
- ☐ Wipe down surfaces & shelving with ESD-safe cleaning tools

Need Professional Semiconductor Facility Cleaning?

Consistent cleaning protects product quality and operational reliability. Use this checklist to support daily routines, staff training, and audit readiness—helping your team maintain the highest cleanroom standards with confidence. Need support? Our experts are available to help develop, audit, or execute cleaning protocols tailored specifically for your facility. Call **(763) 571-9056** or [Request a Quote Online](#)



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