

# Job Description

Division/Department	Operations
Location	Hayward, CA
Job Title	Equipment Technician
Reports to	Director of Fab Operations

Level/Grade	Regular	Type of position: <input checked="" type="checkbox"/> Full-time <input type="checkbox"/> Part-time <input type="checkbox"/> Contractor	Hours <u>40</u> / week <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Non-Exempt
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## GENERAL DESCRIPTION

Responsible for installing and maintaining semiconductor fab equipment. Assist in maintaining facilities equipment.

## ESSENTIAL DUTIES AND RESPONSIBILITIES

- Repair and maintain semiconductor tools and facility equipment including but not limited to:
  - Fabrication equipment set includes: e-beam evaporator, contact mask aligner, photoresist spinner, plasma asher, ICP etch system, plasma system for dielectric etch and plasma system for dielectric deposition, wet benches for caustics and solvents.
  - Facilities equipment includes: DI water system, house cooling water, CDA system, house N2 system and cleanroom air handlers.
- Performs all work in a safe manner and follows proper hazardous materials handling procedures.
- Immediately notifies management of any unsafe equipment, systems or situations. Member of the emergency response team.
- Perform daily facilities walk through.
- Responsible for ensuring equipment and facilities are operating to specification. Maintains an inventory of frequently used and long lead time spare parts.
- Works with production personnel to determine the frequency and types of necessary preventative maintenance [PM]. Coordinates the timing of PMs with production personnel.
- Perform scheduled PMs on fabrication and facilities equipment. As needed generate work instructions for PMs and train other employees to perform PMs.
- Maintain equipment logs. Document all repair work. Perform standard tool qualifications before releasing equipment to production personnel.
- Acquire quotes for and submit purchase requisitions for service and parts needed for equipment repair and maintenance. Coordinate visits by external repair personnel. Supervise and signoff on their work.
- Assist process engineering with troubleshooting and equipment upgrades. Assist in installation of new equipment.

## REQUIREMENTS

### Requirements

- 5+ years of experience maintaining and repairing semiconductor fabrication equipment.
- High vacuum systems, plasma systems and photolithography systems.
- Expertise in troubleshooting electrical systems.
- Experience with industrial control systems.
- Experience working with caustics and solvents, and managing waste streams.
- Self-disciplined with demonstrated initiative and the ability to work independently. Strict adherence to written procedures.

### Preferred

- Experience with Microsoft Excel and Word.
- Knowledge of OSHA/Hazmat regulations.