**Maintenance Technician - Night Shift**

<https://silanano.com/job-application/2122238/>

Alameda, CA

**WHO WE ARE**

We change the landscape of what is possible with batteries. Our technology is a new chemistry that increases the energy density of Li-Ion batteries, which enables more features and design options for consumer devices and longer range, higher performance, and greater affordability for electric vehicles. Our product works today, drops into existing battery manufacturing processes, and is manufacturable economically at scale.

We believe how we work together is as important as the great things we accomplish. Foundational to this belief is building an inclusive and distinctive culture – one that is collectively shaped and owned by all Silazens. Learn more about our values [here](https://silanano.com/culture/).

**WHO YOU ARE**

As a Maintenance Technician on the Manufacturing team, you are diligent and mechanically-adept to help build and maintain our equipment and infrastructure. You will contribute with on-shift equipment and facility maintenance, repair, and on-the-spot troubleshooting support. You will have experience performing preventative maintenance on various types of equipment and providing a safe, rapid response to equipment downtime in a manufacturing environment.

**RESPONSIBILITIES AND DUTIES**

* Maintain and service existing tools (perform PMs) and infrastructure
* Support and help train the 24/7 manufacturing team
* Use and improve standard operating procedures and equipment best practices
* Use knowledge of vacuum, electrical, PLC, pneumatic, and mechanical systems to troubleshoot and repair equipment
* Able to change compressed gas cylinders, inert and flammable
* Perform general building maintenance and facility upgrades
* Specify and purchase parts for existing equipment
* Install and test plumbing in vacuum and high-pressure gas systems
* Perform basic wiring and electrical assembly
* Fabricate and assemble new R&D and commercial production tools and fixtures
* Be a member of the ERT team
* Obtain forklift certification for routine operation
* Prioritize safety at all times

**KNOWLEDGE AND SKILL REQUIREMENTS**

* Availability to work compressed work week: 12 hour night shift, second half of week
* 2+ years experience in semiconductor, solar, or related manufacturing
* Ability to work carefully with delicate parts and large tools
* Consistent and reliable task completion
* Knowledge of basic equipment operation and troubleshooting
* Conscientious, curious, and deliberate approach to problem solving
* Consistent and clear communication across multiple teams

**GOOD TO HAVE**

* Experience with vacuum systems (particularly CVD) and process plumbing
* Experience maintaining facility infrastructure (pumps, chillers, compressors)
* Helium leak checking experience
* Gas bottle (inert and flammable) exchange experience
* Machine shop experience
* TIG/MIG/orbital welding experience

**PHYSICAL DEMANDS AND WORKING CONDITIONS**

* Able to lift up to 50 lbs
* Able to walk long distances and stand for extended periods of time
* Able to occasionally kneel or bend
* Pass a respirator fit test and be able to wear respiratory protection when required
* Wear personal protective equipment including, but not limited to, a lab coat, gloves, safety glasses, and safety shoes