

Metal atomic layer deposition system

Note

1. **This machine only accepts commissioned OEM work and is not open to external users for operation. Internal users and colleagues must pass the evaluation test before use.**
2. **Each application is allowed to commission up to three wafers.**
3. **This wafer allows 6", 8" and broken wafers. To prevent metal particles from contaminating the ALD reaction chamber, substrates coated with metal electrodes (such as copper) are prohibited from entering the chamber. For special needs, please check with the system engineer first.**

Safety statement of lab equipment

1. During machine operation, if an earthquake, power outage, toxic gas or fire occurs, all personnel should follow the specified route to evacuate from the lab.
2. For emergencies like gas leak, fire or personal injury, please contact ***Emergency Response Center for assistance (ext. #7761& #7762)***.
3. Check protection and PPE required for this machine, include the emergency shower, self-contained breathing apparatus, fire extinguisher and ointment, and their locations.
4. Only users approved for using silicon wafers are allowed to operate the system.
5. Experimental conditions should not be out of the original range (including gas flow, process temperature/pressure, etc.)
6. Please read suspended process or service bulletined by the responsible engineer carefully. If any violation is discovered (including failure to fill in the usage log and follow SOP or the use of unapproved materials or materials that could damage the machine), please report to the engineer (**#7569**) or industry safety officer (ext. **#7737**) immediately.
7. If any machine failure occurs, please check previous logs, record the failure in the log and leave a message on the engineer's phone. The

responsible engineer will diagnose the cause and respond as soon as possible.

8. Before leaving, please make sure all components, modules, process gas flow and temperature are returned to Standby mode. Please fill out the experiment log in detail.
9. Users failing to follow the aforementioned regulations will face consequences as outlined in the ***TSRI management regulations***.