

CVC EVAPORATOR CERTIFICATION CHECKLIST

How can a user hurt themselves? How can a user hurt the tool?

A qualified user should be able to:

- Identify personal safety hazards associated with the tool and what precautions are taken to prevent an accident from occurring.
- Identify hazards to the tool and what precautions are taken to prevent an accident from occurring.
- Operate the tool safely and proficiently.
- Recover from simple errors.
- Demonstrate knowledge of the processes performed with the tool.
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CVC EVAPORATOR

- **Personal Safety Hazards**
 - High Voltage – The CVC Evap employs voltages that are dangerous and may be fatal to personnel. Do not attempt to defeat protective interlock systems.
 - Implosion – Face shield must be worn when operating the evaporator in case of implosion of the glass bell jar.
 - High Temperatures – Parts of the system may be hot after a deposition.
- **Hazards to the Tool**
 - Vacuum system is manually operated—Make sure both Hi-Vac valves are closed before venting.
 - Failure to clean up chamber after use.
 - Do not lift bell jar beyond the top of the guide posts.
- **Operating Tool**
 - A qualified user should be able to:
 - Vent the system
 - Load wafers
 - Load boats correctly
 - Complete a deposition sequence
 - Calculate approximate deposition times
 - Pump down the system
 - Shut-down system
 - Reservations – If not present at stated start time, tool is reserved for 15 minutes and is then considered open for general use.
- **Simple Errors**
 - Failure to put pellet in boat.
 - Failure to set holder in right position.
 - Failure to replace 2x3" glass viewing slide.
- **Processes**
 - Certified users should be knowledgeable with the basics of vacuum system operation.