PE2400B SPUTTERING SYSTEM 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.

PE2400B SPUTTERING SYSTEM

- **Personal Safety Hazards**
  - **High Voltage** - The PE2400B employs AC and DC energies that are dangerous and may be fatal to personnel. Do not attempt to defeat protective interlock systems.
  - **Compressed Gases** - The PE2400B is operated with compressed gases. Do not attempt to defeat protective interlock systems. Evacuate the area immediately if the presence of these gases is suspected and notify SMFL staff member.
  - **Mechanical Hazards** - Drive assemblies have sufficient power to cause injury. Keep hands, fingers, clothing and tools clear of moving parts.

- **Hazards to the Tool**
  - Since the vacuum system is manually operated, it is important to operate in the proper sequence to avoid damage and downtime.

- **Operating Tool**
  - A qualified user should be able to:
    - Vent the system
    - Load wafers
    - Pump down the system
    - Complete a deposition sequence
    - 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 tune the power

- **Processes**
  - Certified users should be knowledgeable with the basics of vacuum system operation.