

SERT Systems, Inc. 
**Semiconductor Equipment Repair
Technologies**

- Course Title** : Concept One Dielectric Operations and Maintenance
- Type** : Instructor Led
- Description** : The course is designed to provide the students an introduction to the Concept One Dielectric System Operations and Maintenance Procedures. Training topics are presented in both lecture and practical formats, utilizing a Concept One System in the cleanroom.
- Objectives** : The following items are topics covered in the course:
- Demonstrate a familiarity with a variety of Concept One Operations and Maintenance Manuals and PM Procedures, including when they are performed.
 - Create and Edit Recipes, Programs, and Parameter Sets used to process wafers.
 - Become familiar with the Control System Architecture.
 - Demonstrate a familiarity with the major system hardware components.
 - Be able to interpret Gas and Vacuum Diagrams including flush and vent procedures.
 - Perform all the required PM Procedures for the system.
 - Be able to explain the operation of and recognize RF System circuitry.
 - Make needed adjustments to power supplies, controllers, and process systems (includes Shower Heads, Heater Block, and Spindle Assembly) and verify correct operation.
- Target Audience** : Equipment Engineers, Maintenance Technicians, Process Engineers.
- Prerequisites** : Basic Vacuum Theory and familiarity with Concept One
- Course Materials**: Provided by SERT Systems – Hardcopy Manuals
- Course Length** : 5 Days
- Contact Hours** : 32 Hours