

Endura 200/300mm Process: Optimization and Troubleshooting

Who should attend?

This course is designed for those individuals in the semiconductor industry who require the knowledge and skills to work with Endura 200/300mm process optimization and troubleshooting.

Course Benefits

- Reduce time to recover from wafer processing faults
- Increase wafer processing yield
- Increase Mean Wafers Between Clean (MWBC)
- Decrease the number of defects for each wafer

Course Objective Summary

- Identify safety hazards associated with the Endura physical vapor deposition (PVD) process
- Explain the applications of PVD films in semiconductor devices
- Optimize the 200/300mm electrostatic chuck and PVD Al processes
- Optimize the 200/300mm PVD Ti process
- Optimize the 200/300mm PVD TiN process
- Identify safety hazards associated with the Endura iLB process
- Explain the applications of iLB films in semiconductor devices
- Optimize the ion metal plasma (IMP) process
- Optimize the chemical vapor deposition (CVD) TiN TxZ process
- Identify safety hazards associated with the Endura CBS process
- Explain the applications of CBS films in semiconductor devices
- Optimize the reactive preclean process
- Optimize the self-ionizing plasma process

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Course Modules

1. *PVD Safety*
2. *PVD Device Applications*
3. *E-Chuck and PVD AI Optimization*
4. *PVD Ti Optimization*
5. *PVD TiN Optimization*
6. *iLB Safety*
7. *iLB Device Applications*
8. *iLB Optimization*
9. *CVD TiN TxZ Optimization*
10. *CBS Safety*
11. *CBS Device Applications*
12. *Reactive Pre-clean Optimization*
1. *Self-Ionizing Plasma Optimization*

Registration Information

Prerequisites: *None*
Course Length: *5.5 Hours*
Course Type: *Web-Based Training*
Course Number: *TRNWEB-87*

To enroll or for more information on our products and services, please call our registrar at the number below or go to www.appliedtraining.com.

- 1-800-468-8888, option 4 (United States)
- 1-512-272-0027 (International)

Computer System Requirements:

Attending this course requires a computer using Internet Explorer 5.5 or higher with the plug-in for Flash Player 9. For the audio portion of the class, headsets or speakers are required. 128MB RAM or higher, high-speed Internet access and a screen resolution of 1024 x 768 are also highly recommended.