

Rite Track Technical Training Center

Course Syllabus



Course: **TEL CLEAN TRACK Mark 7/8 Maintenance**

Course ID: **78-MA-ADJ**

System Type: **TEL CLEAN TRACK Mark 8**

Prerequisite: The Mark Series Operations, Programming, and Preventative Maintenance course (58-IN-OPM) and some operational experience with the equipment is required.

Course Description: This course provides current and new users of Mark 7/8 systems with the skills and knowledge required for proper system maintenance. Students will begin the course with a review of operations, programming, wafer recovery, and recipe writing. The students will receive intensive instruction on each unit starting with the Carrier Station and continuing with the Main Arm, Interface, Coater Unit, Developer Unit, Heat Treatment, Temperature and Humidity Control, Wafer Edge Exposure, and concludes with troubleshooting instruction and live practice. The course length is two

Course Objectives: Upon Completion of this course, the student will be able to:

- Identify potential electrical, mechanical, thermal, chemical and other safety hazards.
- Understand how each Unit functions within the overall system.
- Perform proper start-up, shut down and wafer recovery procedures
- Understand the detailed functions of each Unit.
- Access and interpret diagnostics, parameter setting, and virtual dip switches.
- Perform Mode Setting Changes
- Perform maintenance procedures and adjustments on all Units

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Day	Subject	Contents	Location	Reference
1	Student Orientation and Course Introduction	Training Center Rules and Safety briefing.	Classroom	Orientation and Course Checklists
1	Operations and programming overview	System Control Overview, Review of software screens, Power On/Off procedure, Track Initialization, Wafer Recovery Procedure	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
2	Operations and programming overview	Recipe and Wafer Flow Review. Diagnostics and Utility Mode Operations	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
3	Unit Maintenance Instruction	Carrier Station Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
4	Unit Maintenance Instruction	Carrier Station Troubleshooting, Main Arm Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
5	Unit Maintenance Instruction	Main Arm Troubleshooting, Interface Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
6	Unit Maintenance Instruction	Interface Troubleshooting, Coater Unit Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
7	Unit Maintenance Instruction	Coater Unit Troubleshooting, Developer Unit Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
8	Unit Maintenance Instruction	Developer Unit Troubleshooting, Heat Treatment Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
9	Unit Maintenance Instruction	Heat Treatment Troubleshooting, Temperature and Humidity Control Maintenance, WEE Unit Maintenance	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material
10	Unit Maintenance Instruction	Leftover discussion and wrap up	Classroom and Equipment lab	Level 2 Student Guide, Objectives and presentation Material