



Rite Track Technical Training Center

Course Syllabus

Course: **CLEAN TRACK Operations, Programming
and Preventative Maintenance**

Course ID: **58-IN-OPM**

System Type: **TEL CLEAN TRACK Mark 5z, 7, 8**

Prerequisite: This is an introductory course.

Course Description: This course provides current and new users of Mark Vz, 7, 8 systems with the skills and knowledge required for proper system operation, programming, and preventative maintenance. Participants receive a system overview, and a safety hazard instruction followed by extensive programming and set-up practice on computer simulators followed by practical exercises on a fully functional system. Finally students get extensive instruction in preventative maintenance tasks.

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

- * Explain the key process functions of the system and sub-systems.
- * Identify Safety Hazards associated with the Electrical, Mechanical, and Chemical systems.
- * Perform proper system operation.
- * Properly power up and power down the system.
- * Follow the appropriate Wafer Recovery Procedures.
- * Understand Standard Process Flow
- * Understand the Equipment Software
- * Perform Wafer Flow Writing.
- * Know how to work with Special Operating Screens
- * Back up all Recipe Data
- * Execute the appropriate Error Recovery Procedures
- * Perform Preventative Maintenance tasks and Key Adjustments



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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	System Safety Overview: Manual warning convention and safety labels. Review of dangerous locations and emergency procedures.	Classroom	Presentation and Operation Training Manual
1	Operations	Introduction to the Simulators. How to navigate using Keyboard and Touchpad. Operations Panel and Screen review	Simulator Lab Exercise	Presentation and Operation Training Manual
1	Operations	Start up and Shutdown Procedures. Equipment Initialization and Wafer Recovery Procedures.	Training System Exercise	Operation Training Manual
2	Programming Course	Standard Process Recipe and Wafer Flow, Introduction to the Equipment Software. Begin Recipe writing	TEL CLEAN TRACK Mark 5z, 7, 8	Presentation and Operation Training Manual
2	Programming Course	Intelligent Pump, Coat, Develop, Hot/Cool Unit, Adhesion, WEE and Dummy Dispense Recipe Writing.	Simulator Lab Exercise	Presentation and Operation Training Manual
3	Programming Course	Continuation of Recipe Writing. Wafer Flow Writing. Software Special Operating Screens	Simulator Lab Exercise	Presentation and Operation Training Manual
4	Programming Course	Student Recipe and Wafer Flow Lab Activities	Training System Exercise	Operation Training Manual
5	Preventative Maintenance	Demonstrations and Hands -On practice Measuring Air velocity, Spin Speed, Installing a Resist Filter, Adjusting dispense and Rinse flows, etc. Adjusting Nozzle Positions, Cup Ring Height and Preventative Maintenance Tasks.	Training System Exercise	Training System