

Rite Track Technical Training Center Course Syllabus



Course: 9X Maintenance and Adjustments
 Course ID: 9X-MA-ADJ
 System Type: 90 Series Tracks (models 90, 90S, 90SE)

Prerequisite: Successful completion of the 90 Series Operations, Programming, and Calibration course.

Course Objectives:

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

- Identify potential electrical, mechanical, thermal, chemical, and other safety hazards.
- Locate mechanical safety interlocks
- Describe the communications architecture.
- Describe the electric architecture.
- Describe the pneumatic architecture.
- Locate all sensors on the track.
- Remove and Replace certain assemblies.
- Level, Align, and Adjust components.
- Describe module operation.

Day	Subject	Contents	Lecture/ Lab	Reference
1	Student Orientation, Course Introduction,	Training Center Rules and Safety briefing. Program Overview, Course Objectives and Expectations	100% Lecture	Orientation and Course Checklists. 9X Student Documentation
1	System	Electrical overview, Liquids overview, Pneumatics overview, Communications Architecture overview, Leveling Track and Modules, Module Height Adjustment. Hazards and Interlocks.	70% Lecture	9X Student Documentation, Maintenance Manuals.
2	Random Shuttle, Serial Arms, Interface, CES Shuttle	Sensor Locations, Control Adjustments, Remove and Replace Components, Maintenance. * Intermediate exam and exam review.	80% Lab	9X Student Documentation, Maintenance Manuals.
3	Thermal Modules	Sensor Locations, Control Adjustments, Remove and Replace Components, Maintenance. * Intermediate exam and exam review.	80% Lab	9X Student Documentation, Maintenance Manuals.
4	Spin Modules	Sensor Locations, Control Adjustments, Remove and Replace Components, Maintenance. * Intermediate exam and exam review.	80% Lab	9X Student Documentation, Maintenance Manuals.
5	CES Module, FTC Module, Calibrate track, Run Wafers.	Sensor Locations, Control Adjustments, Remove and Replace Components, Maintenance. * Final exam, exam review, and Certificate presentation.	80% Lab	9X Student Documentation, Maintenance Manuals.