

Thermal Products 2009

Helios Maintenance Overview - Level 1 and Level 2

Free, only with 2-Training Credits per student.

This course is an introductory course for new users; this is a 2-week maintenance course.

The course covers the following:

- 1 Course introduction
- 2 Equipment safety and evacuation
- 3 System operations overview
- 4 Wiring document overview
- 5 Component location
- 6 Network and Computer overview
- 7 Maintenance overview
- 8 Software functions
- 9 Fault and abort status identification
- 10 Power Rack overview
- 11 Handling recovery
- 12 Preventive and general corrective maintenance procedure hands-on
- 13 Process module overview
- 14 Power and control system overview
- 15 Gas and cooling systems overview
- 16 Lamp exchange
- 17 Quartz R&R
- 18 Temperature system overview
- 19 Robot management, and computer system overview
- 20 In depth gas flow theory
- 21 Recipe creation, management, and optimization
- 22 Introduction to CAST
- 23 Installing Calibration wafers
- 24 Temperature and pyrometer theory and calibration
- 25 Lamp correction, theory and optimization
- 26 Acquisition and transfer of Calibration data
- 27 Engineering software controls and functions
- 28 Uniformity optimization with Opus

Prerequisite:	None
Length:	10-days

Helios Steam – Level 2

Free, only with 1-Training Credit per student.

This course is for the advanced user; it is required to attend the Level 1 and 2 Maintenance Overview course to qualify for this training.

The course covers the following:

- 1 Course introduction
- 2 Equipment safety and evacuation

Call for Course Description

Prerequisite: Level 1, 2

Length: 5-days

RTP-3000 Maintenance Overview - Level 1 and Level 2

Free, only with 2-Training Credit per student.

This course is an introductory course for new users; this is a 2-week course.

The course covers the following:

- 29 Course introduction
- 30 Equipment safety and evacuation
- 31 System operations
- 32 Component overview
- 33 Schematic and wiring document overview
- 34 Maintenance software functions
- 35 Network and Computer overview
- 36 Exercise and practice UNIX, FTP, Telnet, VI editor
- 37 Fault and abort status identification
- 38 Handling recovery
- 39 Cooling circuit overview
- 40 Preventive and general corrective maintenance
- 41 Process module overview
- 42 Power and control system overview
- 43 Gas and cooling systems overview
- 44 Quartz R&R
- 45 Lamp exchange
- 46 Temperature system overview
- 47 Robot management
- 48 Robot Teaching
- 49 Computer system overview
- 50 In depth gas flow theory
- 51 Computer network communications
- 52 Software structure and GUI overview
- 53 Recipe creation and management
- 54 Make a Calibration wafer
- 55 Recipe optimization
- 56 Temperature and pyrometer theory and calibration
- 57 Lamp correction tables, LCT, CoCoS, FAC
- 58 Opus for Flash Anneal
- 59 P-I-D theory and optimization
- 60 Engineering software controls and functions

Prerequisite: None
Length: 10-days

3000 Steam – Level 2

Free, only with 1-Training Credit per student.

This course is for the advanced user; it is required to attend the Level 1 and 2 Maintenance Overview course to qualify for this training.

The course covers the following:

- 3 Course introduction
- 4 Equipment safety and evacuation
- 5 Steam and Standard Tool comparison
- 6 Steam Components overview
- 7 Wiring Documents overview
- 8 Hardware and structure of Steam Generator
- 9 Steam Controller overview
- 10 Structure of HBU
- 11 Exercise and practice at the Steam Tool
- 12 Generator and Tool interface
- 13 Enable requirements and Software
- 14 Recipe editor, Hydrogen and Oxygen gas flows
- 15 Rotation setup, adjust and use in recipe
- 16 Hardware component monitoring

Prerequisite: Level 1, 2
Length: 5-days

RTP-2900 Maintenance Overview - Level 1 and Level 2

Free, only with 2-Training Credits per student.

This course is an introductory course for new users; this is a 2-week course.

The course covers the following:

- 50 Course introduction
- 51 Equipment safety and evacuation
- 52 System operations
- 53 Component overview
- 54 Maintenance software functions
- 55 Fault and abort status identification
- 56 Handling recovery
- 57 Preventive and general corrective maintenance
- 58 Process module overview
- 59 Power and control system overview
- 60 Gas and cooling systems overview
- 61 Quartz R&R
- 62 Lamp exchange

- 63 Temperature system overview
- 64 Robot management
- 65 Robot Teaching
- 66 Computer system overview
- 67 In depth gas flow theory
- 68 Recipe creation and management
- 69 Recipe optimization
- 70 Temperature and pyrometer theory and calibration
- 71 Lamp correction
- 72 P-I-D theory and optimization
- 73 Engineering software controls and functions

Prerequisite: None
 Length: 5-5ays

RTP-2800 Maintenance Overview - Level 1 and Level 2

Free, only with 2 Training Credits per student.

This course is an introductory course for new users; this is a 2-week course.

The course covers the following:

- 74 Course introduction
- 75 Equipment safety and evacuation
- 76 System operations
- 77 Component overview
- 78 Maintenance software functions
- 79 Fault and abort status identification
- 80 Handling recovery
- 81 Preventive and general corrective maintenance
- 82 Process module overview
- 83 Power and control system overview
- 84 Gas and cooling systems overview
- 85 Quartz R&R
- 86 Lamp exchange
- 87 Temperature system overview
- 88 Robot management
- 89 Robot Teaching
- 90 Computer system.
- 91 In depth gas flow theory
- 92 Recipe creation and management
- 93 Recipe optimization
- 94 Temperature and pyrometer theory and calibration
- 95 Lamp correction
- 96 P-I-D theory and optimization
- 97 Engineering software controls and functions

Prerequisite: None

Length:

5-days