



Training Catalogue

Semiconductor Industries

Tester, Handler, Stimuli and Test Cell

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Training products for Semiconductors Industries

| Type | Machine | | | | Characteristics | | | | | Self learn |
|----------------|------------------------|----------------|--------------------|--------------------|----------------------|----------------------|----------------|-----------------|-----------------|--------------|
| Private Lesson | Comptest all series | DOT all series | Handler all series | Stimuli all series | On-site or Spea site | Up to 4 participants | Single company | Custom Planning | Custom duration | 10% Customer |
| | Test Operating Systems | | Software Tools | | On-site or Spea site | Up to 4 participants | Single company | Custom planning | Custom duration | 10% Customer |

Training Orientation

| For ... | Who | Requirement |
|--------------|----------------------|---|
| Beginner | Programming engineer | <ul style="list-style-type: none"> English written and spoken. Base Electronic and C++ editor programming language knowledge. |
| | Production operator | <ul style="list-style-type: none"> English written and spoken. Base knowledge in the use of Personal Computer and standard toolmaker. |
| | Service engineer | <ul style="list-style-type: none"> English written and spoken. Base knowledge in the use of Personal Computer and standard toolmaker. |
| Intermediate | Programming engineer | <ul style="list-style-type: none"> Successful completion of Beginner Test Engineer level. |
| | Service engineer | <ul style="list-style-type: none"> Successful completion of Beginner Service Engineer level. |
| Expert | Programming engineer | <ul style="list-style-type: none"> Successful completion of Intermediate Test Engineer level. |

Comptest MX series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|--|---|------------------------------------|--|---|
| Programming engineer | Training for Comptest MX series test engineer | This course introduces the attendants to the AtosC2 Operating System and Test Program development and debug using the Comptest MX tester series. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a Test program using Per Pin instruments implementing analogue, digital, and mixed signals to develop the main tests for a multi-site test project. | Beginner | <ul style="list-style-type: none"> - Multi-site Test Program development - Device Power Supply - DC, AC, Digital tests. - Programming Levels and Timings - Digital Flags, Timing Measurement - Digital Memory Acquisition - Running and Debugging | Lesson Type : Private Location : SPEA, On-Site Duration : 5 days. |
| Programming engineer | Training for Comptest MX series test engineer | This course introduces the attendants to the AtosC2 Operating System and Test Program development and debug using the Comptest MX tester series. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a Test program using Per Pin and Signal Processing instruments implementing analogue, digital, and mixed signals to develop the main tests for a multi-site test project. | Intermediate | <ul style="list-style-type: none"> - Signal Processing instruments programming. - Input Thresholds Detection - Input Signal Modulation - Trigger Generation for forcing signal or strobing measurement - Ramp Generation | Lesson Type : Private Location : SPEA, On-Site Duration : 5 days. |
| Programming engineer | Training for Comptest MX series test engineer | This course introduces the attendants to the AtosC2 Operating System and Test Program development and debug using the Comptest MX tester series. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a Test program implementing analogue, digital, and mixed signals to develop the main tests for a multi-site test project. | Expert | <ul style="list-style-type: none"> - Pattern Based programming technique. - Analogue and Signals Processing instruments controlled by Digital Flags through Synchrobus. - Source Code, Test pattern and instruments handshaking | Lesson Type : Private Location : SPEA, On-Site Duration : 5 days. |
| Service engineer | Training for Comptest MX series Service engineer | This course introduces the attendants to the AtosC2 Operating System and tester maintenance operations. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will perform the main maintenance activities including diagnostic and calibration of the system. | Beginner | <ul style="list-style-type: none"> - SPEA Tester Architecture - System structure - Preventive Maintenance - System Calibration, Diagnostic - Corrective Maintenance - SPEA Customer Support Area - Software description and installation | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Programming engineer Service engineer | Combined | This course is a combined start training package for Comptest series service engineer + programming engineer. This is achieved through a combination of theory, practice exercises and on line learning materials. The students service engineers will perform the main maintenance activities including diagnostic and calibration of the system. The programming engineers will perform a Test Program development and debug using the Comptest MX tester series. | Beginner | <ul style="list-style-type: none"> - Beginner Comptest MX service engineer skills experience * - Beginner Comptest MX test engineer skills experience * <p>* see Programming and Service engineer Comptest MX series</p> | Lesson Type : Private Location : SPEA, On-Site Duration : 8 days |
| Programming engineer Production Operator Service engineer | Custom | Customisable | Beginner Intermediate Expert | - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |

Comptest CT series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|---|--|------------------------------------|---|--|
| Programming engineer | Training for CT series Test engineer | This course introduces the attendants to the AtosCT Operating System and Test Program development and debug using the CT tester series . This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a multi-site Test program implementing analogue, digital, RFID, UHF and mixed signals to develop the main tests for an Identification Card DUT (IC DUT). | Beginner | <ul style="list-style-type: none"> - Multi-site Test Program development - Device Power Supply - DC, AC, Digital, RFID and UHF tests. - Programming Levels and Timings - Running and Debugging | Lesson Type : Private Location : SPEA, On-Site Duration : 5 days. |
| Service engineer | Training for CT series Service engineer | This course introduces the attendants to the AtosCT Operating System and tester maintenance operations. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will perform the main maintenance activities including diagnostic and calibration of the system. | Beginner | <ul style="list-style-type: none"> - SPEA Tester Architecture - System structure - Preventive Maintenance - System Calibration, Diagnostic - Corrective Maintenance - SPEA Customer Support Area - Software description and installation | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Programming engineer Service engineer | Combined | This course is a combined start training package for CT series service engineer + programming engineer. This is achieved through a combination of theory, practice exercises and on line learning materials. The students service engineers will perform the main maintenance activities including diagnostic and calibration of the system. The programming engineers will perform a Test Program development and debug using the CT tester series. | Beginner | <ul style="list-style-type: none"> - Beginner CT series service engineer skills experience * - Beginner CT series test engineer skills experience * * see Programming and Service engineer CT series | Lesson Type : Private Location : SPEA, On-Site Duration : 8 days |
| Programming engineer Production Operator Service engineer | Custom | Customisable | Beginner Intermediate Expert | - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |

DOT series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|--|--|------------------------------------|---|---|
| Programming engineer | Training for DOT series test engineer | This course introduces the attendants to the AtosC2 Operating System and Test Program development and debug using the DOT tester series. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a Test program using Per Pin instruments implementing analogue, digital, and mixed signals to develop the main tests for a multi-site test project. | Beginner | <ul style="list-style-type: none"> - Multi-site Test Program development - Device Power Supply - DC, AC, Digital tests. - Programming Levels and Timings - Digital Memory Acquisition - Running and Debugging | Lesson Type : Private Location : SPEA, On-Site Duration : 4 days. |
| Programming engineer | Training for DOT series test engineer | This course introduces the attendants to the AtosC2 Operating System and Test Program development and debug using the DOT tester series. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a Test program using Per Pin and Signal Processing instruments implementing analogue, digital, and mixed signals to develop the main tests for a multi-site test project. | Intermediate | <ul style="list-style-type: none"> - Timing Measurement. - Input Signal Modulation - Trigger Generation for forcing signal or strobing measurement - Ramp Generation | Lesson Type : Private Location : SPEA, On-Site Duration : 4 days. |
| Programming engineer | Training for DOT series test engineer | This course introduces the attendants to the AtosC2 Operating System and Test Program development and debug using the DOT tester series. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will generate a Test program implementing analogue, digital, and mixed signals to develop the main tests for a multi-site test project. | Expert | <ul style="list-style-type: none"> - Analogue instruments controlled by Digital Flags. - Source Code, Test pattern and instruments handshaking - Protocol Awares | Lesson Type : Private Location : SPEA, On-Site Duration : 4 days. |
| Service engineer | Training for DOT series Service engineer | This course introduces the attendants to the AtosC2 Operating System and tester maintenance operations. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will perform the main maintenance activities including diagnostic and calibration of the system. | Beginner | <ul style="list-style-type: none"> - SPEA Tester Architecture - System structure - Preventive Maintenance - System Calibration, Diagnostic - Corrective Maintenance - SPEA Customer Support Area - Software description and installation | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Programming engineer Service engineer | Combined | This course is a combined start training package for DOT series service engineer + programming engineer. This is achieved through a combination of theory, practice exercises and on line learning materials. The students service engineers will perform the main maintenance activities including diagnostic and calibration of the system. The programming engineers will perform a Test Program development and debug using the DOT tester series. | Beginner | <ul style="list-style-type: none"> - Beginner DOT series service engineer skills experience * - Beginner DOT series test engineer skills experience * * see beginner Programming and Service engineer training DOT series skills | Lesson Type : Private Location : SPEA, On-Site Duration : 7 days |
| Programming engineer Production Operator Service engineer | Custom | Customisable | Beginner Intermediate Expert | - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |

H1xxx series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|---|--|------------------------------------|---|--|
| Programming engineer | Training for H1xxx series Test engineer | This course introduces the attendants to the AtosH Operating System and the handler programming. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will create, edit and debug recipe. The test engineer will learn to interface the handler with the tester. | Beginner | <ul style="list-style-type: none"> - AtosH Sw Tools - Creating Recipe - Edit Recipe - Debug Recipe - Interface with the Tester | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Production Operator | Training for H1xxx series Production operator | This course introduces the attendants to the AtosH Operating System and the handler use. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to operate with the handler to start-up and manage the production process. | Beginner | <ul style="list-style-type: none"> - Setting the user environment - Conversion Kit Assembly - Loading / Unloading Test Program - Batch production recovery - Change Batch production | Lesson Type : Private Location : SPEA, On-Site Duration : 1 day. |
| Service Engineer | Training for H1xxx series Service Engineer | This course introduces the attendants to the AtosH Operating System and the handler maintenance operations. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will perform the main maintenance activities including diagnostic and calibration of the system. | Beginner | <ul style="list-style-type: none"> - SPEA Tester Architecture - System structure - Preventive Maintenance - System Calibration, Diagnostic - Corrective Maintenance - SPEA Customer Support Area - Software description and installation | Lesson Type : Private Location : SPEA, On-Site Duration : 4 days. |
| Programming engineer Production Operator Service engineer | Custom | Customisable | Beginner Intermediate Expert | <ul style="list-style-type: none"> - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |

H35xx series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|---|---|--|---|---|
| Programming engineer | Training for H35xx series Test engineer | This course introduces the attendants to the AtosH Operating System and the handler programming. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will create, edit and debug recipe. The test engineer will learn to interface the handler with the tester. | Beginner | <ul style="list-style-type: none"> - AtosH Sw Tools - Creating Recipe - Edit Recipe - Debug Recipe - Interface with the Tester | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Production Operator | Training for H35xx series Production operator | This course introduces the attendants to the AtosH Operating System and the handler use. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to operate with the handler to start-up and manage the production process. | Beginner | <ul style="list-style-type: none"> - Setting the user environment - Conversion Kit Assembly - Loading / Unloading Test Program - Batch production recovery - Change Batch production | Lesson Type : Private Location : SPEA, On-Site Duration : 1 day. |
| Service Engineer | Training for H35xx series Service Engineer | This course introduces the attendants to the AtosH Operating System and the handler maintenance operations. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will perform the main maintenance activities including diagnostic and calibration of the system. | Beginner | <ul style="list-style-type: none"> - SPEA Tester Architecture - System structure - Preventive Maintenance - System Calibration, Diagnostic - Corrective Maintenance - SPEA Customer Support Area - Software description and installation | Lesson Type : Private Location : SPEA, On-Site Duration : 5 days. |
| Programming engineer Service engineer | Combined | This course is a combined start training package for H35xx series service engineer + programming engineer. This is achieved through a combination of theory, practice exercises and on line learning materials. The students service engineers will perform the main maintenance activities including diagnostic and calibration of the system. The students test engineer will create, edit and debug recipe, will learn to interface the handler with the tester. | Beginner | <ul style="list-style-type: none"> - Beginner H35xx series service engineer skills experience * - Beginner H35xx series test engineer skills experience * <p>* see Programming and Service engineer H35xx series</p> | Lesson Type : Private Location : SPEA, On-Site Duration : 8 days |
| Programming engineer Production Operator Service engineer | Custom | Customisable | <div style="background-color: #0070C0; color: white; padding: 2px;">Beginner</div> <div style="background-color: #92D050; color: white; padding: 2px;">Intermediate</div> <div style="background-color: #FFD700; color: black; padding: 2px;">Expert</div> | - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |

Test Cell series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|---------------------------------------|--|---|--|--|
| Production Operator Service engineer | Training for PMTC100 Service Engineer | <p>This course introduces the attendants to the AtosH/AtosC2 Operating System and the PMTC100 Use & maintenance operations.</p> <p>This is achieved through a combination of theory, practice exercises and on line learning materials.</p> <p>The students will perform the main maintenance activities including diagnostic and calibration of the system.</p> | Beginner | <ul style="list-style-type: none"> - SPEA Test Cell Architecture - System structure - Preventive Maintenance - System Calibration, Diagnostic - Corrective Maintenance - SPEA Customer Support Area - Software description and installation - Use Principles - Programming Principles | <p>Lesson Type : Private</p> <p>Location : SPEA, On-Site</p> <p>Duration : 4 days.</p> |
| Programming engineer Production Operator Service engineer | Custom | Customisable | <p>Beginner</p> <p>Intermediate</p> <p>Expert</p> | - Customized | <p>Lesson Type : Private</p> <p>Location : SPEA, On-Site</p> <p>Duration : Custom</p> |

RTA stimulus series Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|--|--|------------------------------------|---|--|
| Programming engineer | Training for RTAxxx series Test engineer | This course introduces the attendants to the AtosC2 Operating System and the RTAxxx stimulus programming. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to interface the RTAxxx with the tester, to use the Rate Table software, recognize the programming instructions and mount the Jig. | Beginner | <ul style="list-style-type: none"> - Tester Interface - Software Rate Table - Programming Instructions - Mounting the Jig | Lesson Type : Private Location : SPEA, On-Site Duration : 2 days. |
| Production Operator | Training for RTAxxx series Production operator | This course introduces the attendants to the AtosC2 Operating System and the handler use. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to operate with the handler to start-up and manage the production process. | Beginner | <ul style="list-style-type: none"> - Tester Interface - Software Rate Table - Mounting the Jig | Lesson Type : Private Location : SPEA, On-Site Duration : 1 day. |
| Service Engineer | Training for RTAxxx series Service Engineer | This course introduces the attendants to the AtosC2 Operating System and the RTAxxx stimulus maintenance operations. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to perform preventive and corrective maintenance activities, to execute diagnostic and calibration of the RTA. interface the RTAxxx with the tester, to use the Rate Table software, recognize the programming instructions and mount the Jig. | Beginner | <ul style="list-style-type: none"> - SPEA RTA Architecture - Preventive Maintenance - RTA Calibration, Diagnostic - Corrective Maintenanc - Tester Interfacee - Software Rate Table - Mounting the Jig | Lesson Type : Private Location : SPEA, On-Site Duration : 2 days. |
| Programming engineer Production Operator Service engineer | Custom | Customisable | Beginner Intermediate Expert | <ul style="list-style-type: none"> - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |

Software Package and Tools Training

| Profile | Name | Purpose | For ... | Skills | Details |
|---|--|--|------------------------------------|---|--|
| Programming engineer | Training for AtosC2 System Administrator | This course introduces the attendants to the AtosC2 Operative System and the Administrative Tools. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to program and manage the AtosC2 Administrator role. | Intermediate Expert | <ul style="list-style-type: none"> - AtosC2 software installation, updates distribution and licensing - Production Environment - System, Test Program Configuration editors, Data Log Options - Test Program Loading & Execution - User Management | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Programming engineer | Training for Optical test Programming | This course introduces the attendants to the OPTA1xx software. This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to operate with the handler and testers equipped with Gigabit Ethernet optical hardware. | Intermediate Expert | <ul style="list-style-type: none"> - Software installation and description - Application Cases and description - Empty Pocket Optical Test - Pocket Inspection Optical - Creation, Debug and Validation - Optical Test Editor - Optical Group Use and Maintenance | Lesson Type : Private Location : SPEA, On-Site Duration : 3 days. |
| Programming engineer Production Operator Service engineer | Training for Archimede Equipment Supervisor Software Use & Programming | This course introduces the attendants to the Archimede Equipment Supervisor Use & Programming, This is achieved through a combination of theory, practice exercises and on line learning materials. The students will learn to perform the main phases in according to the customer need and training customization request. | Beginner | <ul style="list-style-type: none"> - Data analyzer - Equipment state monitor - Production Equipment Supervisor - Installation, Utility and Administrative tools - Data Navigator - Performance and Alarm Monitor - Analysis Tools - Advanced Correlation - Key Performance Booklet | Lesson Type : Private Location : SPEA, On-Site Duration : 2 days. |
| Programming engineer Production Operator Service engineer | Custom | Customisable | Beginner Intermediate Expert | <ul style="list-style-type: none"> - Customized | Lesson Type : Private Location : SPEA, On-Site Duration : Custom |