SOC Test System – V93000

更新日期 2015/05/07

課程代號	課程名稱	天數	訓練費用	先修課程	開課日期	課程簡介
V93000 I	V93000 SOC Digital User Training	5	請洽業務代表	無	7月13~17日 8月03~07日 8月31~9/4日 10月12~16日 11月09~13日 11月30~12/4日	This class introduces the V93000 SOC Series. After completion you will be familiar with the following: (1) Key concepts and components of the V93000 (2) Setup basic Digital Test Programs (3) Pin configuration setup of Levels, Timing and Vectors (4) Calibration, Testflow, Test Methods, Debugging tools and concepts (5) DC Testing, Shmoo tools, Data logging, Histograms
V93000 MST	V93000 SOC Mixed Signal User Training	5	請洽業務代表	V93000I	7月27~31日 10月26~30日	After completing this training, the participant will be familiar with the use of instruments to test mixed signal performance parameters and specifications in the V93000 SOC Series. You will know the steps to: (1) Plan appropriate test by utilizing the capabilities and performance of the analog modules of the V93000 SOC test system (2) Program A to D converter and D to A converter in the audio and video frequency range (3) Develop test programs for mixed-signal devices by using test methods (4) Use the available tools for developing and debugging mixed-signal
V93000 PS RF	V93000 SOC Port Scale RF User Training	5	請洽業務代表	V93000I V93000MST	9月14~18日 12月14~18日	The purpose of the V93000 Port Scale training series is to enable students to develop and use RF test programs based on V93000 Port Scale RF test system On completion of the course, participants: (1) know HW specification and structure of PSRF subsystem (2) know how to use software tool to create and measure a CW/Mod signal (3) know how to do RF calibration (4) know how to use RF API in Testmethod (5) know how to do an RF to BB setup & measurement
V93000 Production	V93000 SOC Production Setup Training	2	請洽業務代表	V93000I	8月13~14日 11月17~18日	The purpose of the V93000 SOC User Training for production setup is to enable students to operate and support production setup activities based on V93000 system. On completion of the course, participants: (1) will be familiar with and know how to setup/configure production test environment including OS, Smartest and Licensing. (2) know how to create or maintain key components for enabling V93000 production including work-order, Prober/Handler driver and Application Model (3) know how to gather and analyze production data, including GDF,STDF & EDF (4) know the Test cell integration solution including Prober/Handler driver interface
V93000 TP	V93000 SOC Test Program Development Training	4	請洽業務代表	V93000I V93000MST	9月22~25日 12月28~31日	本課程內容針對V93000 testmethod 程式開發讓使用者在短時間學會 C/C++ style Testmethod programming. 所有程式範例可以讓使用者在開發新程式中做參考或複製後稍作修改即可使用. Lecture: DC Test Leakage (PPMU Task), IDDQ, DPS Task, SPMU Task, IDD Operating Current Lecture: AC Test Functional, ppTIA (Jitter, Freq, Rise/Fall), Tx-Rx Loopback (eye diagram), Clock keep alive, Multi-Port, Multi-Clock Domain, Specification search Lecture: Mixed Signal Test ADC Distortion/Linearity, DAC Distortion/Linearity, Local DSP, Under-Sampling Technique Lecture: RF Test RF Power Measurement, IM3/IP3, IQ Mudulation/Demodulation, Phase Noise, Noise Figure

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V93000 PSSL	V93000 SOC Pin Scale SL User Training	2	請洽業務代表	V93000I	11月23~24日	Enable trainees to confidently execute and deliver effective results using Advantest's V93000 Pin Scale SL solutions. After completion of the course the students will be able to: (1) Understand the basic operation of V93000 Smart Scale PSSL tools / software / solutions / features. (2) Know the differences between the former and the new solutions when doing test program development, migration and ramp up.
V93000 HSM	V93000 HSM User Training	3	請洽業務代表	V93000I	7月20~22日 12月08~10日	Learn how to set up a GDDR memory test, generate test patterns and analyze test results. After completing this training, you will be able to test memory devices with the V93000 High Speed Memory (HSM) Series. This training is ONLY for engineers new to the HSM Series. Typical responsibilities are the characterization or production testing of memory devices or devices containing embedded memory architectures. (1)HSM Solution (2)High Speed Test (3)HSM GDDR3 Test (4)Generating Memory Test Patterns (5)Executing Memory Test Patterns (6)Debugging Memory Test Patterns (7)Viewing Test Results
V93000 PS H/W	V93000 Maintenance Training - Pin Scale (for SOC & HSM)	3	請洽業務代表	無	8月18~20日 11月03~05日	This class introduces the principles of V93000 system maintenance and system support for Pin Scale models, including diagnostics, calibration and troubleshooting. This course is required if you intend to provide hardware self support. You will learn how to maintain, calibrate and troubleshoot your V93000 SOC series test system. What you will learn: (1) Understanding the tester hardware architecture (2) Major troubleshooting tools and concept (3) Recommended repair strategies (4) Maintenance tasks including diagnostics and calibration
V93000 PS RF H/W	V93000 Maintenance Training - Port Scale RF	2	請洽業務代表	無	10月05~06日	Training outline: (1) RF Hardware Elements (2) RF Subsystem Configuration (3) RF Source Card (4) RF Front End Card (5) MB-AV8 Card (6) RF Port naming (7) RF Calibration Hardware (cal kit) (8) Appendix - MB-AV8 Characteristic Data - RF DUT Board Interface - Pogo Mapping - System Specs

SOC Test System – T2000 / T6300 LCD Driver

課程代號	課程名稱	天數	訓練費用	先修課程	開課日期	課程簡介
T2000	T2000 Basic Programming Training	3	請洽業務代表	無	9月15~17日 12月08~10日	測試程式開發基礎課程 1. 愛德萬測試系統軟硬體架構介紹. 2. 測試原理的基本概論. 3. 學習操作測試系統所提供的功能,能夠撰寫出簡單的測試程式. 課程內容: 1. Outline 2. Virtual simulator offline operation 3. How to execute a Program 4. Programming exercise 5. DC Parametric Test 6. Functional Test 7. Pattern Program

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T6300	T6300 Series (LCD driver IC) TDL Programming Training	5	請洽業務代表	無	7月20~24日 9月21~25日 11月16~20日	This class introduces participants to the T6300 series. Include T6371, T6372, T6373 and T6391. Upon completion you will: 1. understand hardware structure of the T6300 series 2. be able to create test programs for LCD driver IC 3. know how to generate and analyze test results 4. know how to debug devices and/or test programs
T2000 H/W	T2000 Maintenance Training	2	請洽業務代表	無	10月05~06日	The participants can completion following after this training 1. Know HW specification and structure of T2000 2. Know the unit function and signal process of T2000 3. Know the basic device test flow 4. Know the basic maintenance method 5. Know the basic test flow if T2000

Memory Test System

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T5500 I	T5500/T5300 Series ATL Programming Elementary Course	4	請洽業務代表	無	8月03~06日	測試程式開發基礎課程 1.愛德萬測試系統軟硬體架構介紹. 2.測試原理的基本概論. 3.學習測試系統對記憶體測試所提供的功能,能夠撰寫出簡單的測試程式. 課程內容: - Outline - LSI tests and Test Systems - DC Parametric Test - Dynamic Functional Test - Pattern Program - Hi-Fix - Setting for Program Execution and Debugging
T5500 II	T5500/T5300 Series ATL Programming Technique (Application)	3	請洽業務代表	無	10月19~21日	測試程式開發應用課程 針對特定測試需求,進一步去學習如何使用系統提供的指令集寫出測試程式. 課程內容: 1. RTTC Function 2. FP generator function 3. How to use address fail memory 4. Burst Function 5. Time measurement program 6. Voltage measurement program 7. How to use Z register 8. Area inversion function 9. Flash memory test function 10. Bad block memory function
MRA4	MRA4	2	請洽業務代表	無	12月21~22日	Memory Repair Analysis 針對記憶體需要修補的部分,去瞭解要如何操作MRA4Tool及使用MRA Program Library. 課程內容: 1. MRA4 hardware and each function feature. 2. MRA4 operation mode introduction. 3. Basic repair algorithm 4. MRA4 tool operation 5. Multistage Decoder mode 6. Main Program creation.

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T5500 H/W	T5500 Maintenance Training	2	請洽業務代表	無	8月17~18日	The participants can completion following after this training 1. Know HW specification and structure of T55XX 2. Know the unit function and signal process of T55XX 3. Know the basic device test flow 4. Know the basic maintenance method 5. Know the basic test flow if T55XX
M6242 H/W	M6242 Operation Training	2	請洽業務代表	無	7月16~17日	The participants can completion following after this training 1. To know Handler Software Screen Configuration and Basic Operations. 2. To Know Handler Operation Start to End 3. To Know Clearing Alarms/ Jam 4. To Know Safety Functions 5. To Know Changing Kit Replacement 6. To Know Backing Up Handler Data

Cloud Testing Service

課程代號	課程名稱	天數	訓練費用	先修課程	開課日期	課程簡介
CX1000	Cloud Testing Service Concept & Operation	1	免費課程	無	如果您有此課程需求,請與本教育訓練中心聯絡	This class introduces concept of CloudTesting Service and operating interface of CTLab software. (1) know concept, and features of Cloud Testing Service (2) be able to test easily by CTS

報名注意事項:

1. 報名者請詳填報名表, 並透過 Email方式將報名表寄給教育訓練中心余小姐 dana-hj.yu@advantest.com
   於報名過程中若有任何問題，歡迎電洽本教育訓練中心 (TEL: 03-5975723) 與余小姐聯繫 。
2. 教育訓練中心將於開課日前一週以Email 方式寄發上課通知函給您，請您以電話或Email 方式儘快回覆，以確認開課人數。
3. 若於開課前一週未收到上課確認通知函者，請向本教育訓練中心查詢，以保障您上課的權益。
4. 若您需要取消報名或延後上課，請您務必於開課日前7個工作日主動通知本教育訓練中心，若係臨時取消報名或缺席者，
   報名單位須負擔全額訓練費用。
5. 如無特殊事件發生，所有課程皆如期舉行，本教育訓練中心並保留修訂與取消課程之權利。

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