



系新科技股份有限公司

ADSYS Technologies Co., Ltd.

# i 7000 ATE 测试平台

V1.0X DB version



2013.04.16

# i 7000 series

外观:



19" 12 U \*2 (including ICTmodule )



19" 14U ( ATE module only )



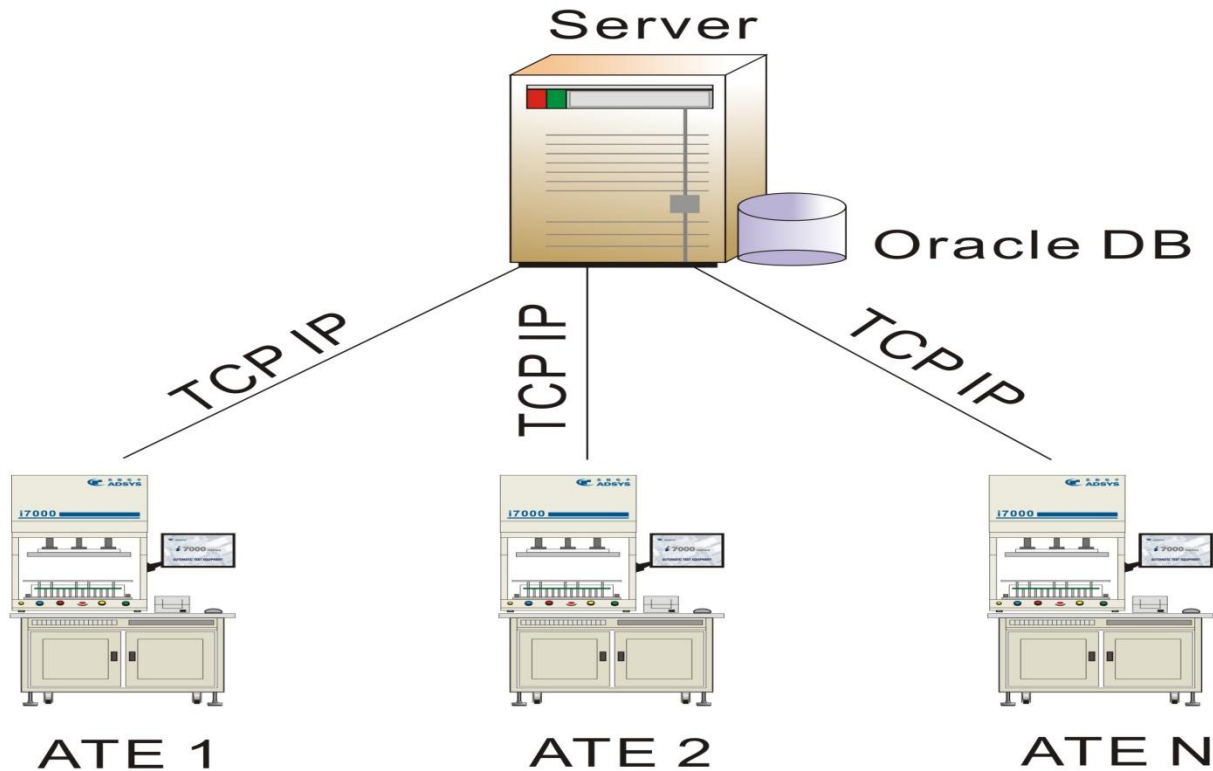
# 特色:

- Client/ Server 网络架构
- 稳定高速量测
- ICT静态元件测试及ATE动态功能测试
- 低成本,高性价比,模块化结构
- 静态ICT/ 动态功能测试自动切换
- 使用者专用测试机挂入系统.
- 自然思维全图像界面测试程式操作
- 数据库测试结果资料管理系统
- 资料集中收集, 远程监视机能

# 功能:

- 资料库结构网路版本, 可直接将测试结果资料写入资料库, 实现集中资料收集, 分析, 远程监视功能.
- 供应PCB板DC电源: 可程式定电压, 定电流, 保护待测板零件
- 供应PCB板 AC电源: 可程式电压, 频率, 跳脱电流, 保护待测板
- 动态测试: 量测选定测试点(TP点)的电压, 电流, 波形, 频率, 并配合干接点之动作, 可实现全自动测试的功能.
- 提供 64\*2 /卡 0.5ms 1 安培高速开关卡.最大 8192\*2 pins.
- 40 组/卡 250V 16A 大电流干接点继电器卡, 可快速模拟人工操作程序, 一个系统可以安装最大32 张卡.
- 混合3线制/ 5线/7线量测, 可依照测试需要弹性调配
- 数位信号输入功能:最大24组数位信号输入.

# Client/ Server ATE架构



# Simulation 画面:

The screenshot shows a simulation software interface with a 'Monitor' window. The window has tabs for 'Monitor' and 'Data'. At the top, there are buttons for 'Next Step', 'Skip', 'Run', and 'Exit', along with a '返回值:' label. Below these are three power supply channel monitors:

PS Channel 1	PS Channel 2	PS Channel 3
Volt : 0 V Curr : 0 A Max Volt : 30 V	Volt : 0 V Curr : 0 A Max Volt : 30 V	Volt : 0 V Curr : 0 A Max Volt : 5 V
DCV : 0.0000 V DCI : 0.0000 A	DCV : 0.0000 V DCI : 0.0000 A	DCV : 0.0000 V DCI : 0.0000 A

Below the channels, there are two tabs: 'Car\_1' and 'Car\_2'. The 'Car\_1' tab shows a circuit diagram with components labeled T1 through T8 and D1 through D5. The 'Output' section contains a grid of checkboxes for components C08 through C15, D00 through D15, and F00 through F15. The 'Input' section also contains a grid of checkboxes for components E00 through E15 and F08 through F15. On the right side of the monitor window, there is a 'DMM' (Digital Multimeter) section set to 'DCV' mode, showing a reading of '0.0000 V'. The background shows a 'MainForm / Step Set/F\_Step\_set/admin' window with a 'Tool' menu and a 'PIN FIND' list.

# 测试画面:

MainForm / Test Form/F\_Plat\_form/admin administrator

Tool Windows Help

Test Project: SWCSELFTEST

SWCSELFTEST

Stop Close

# PASS

Step Count: 192 / 192

Test Time: C 19.03 s, A 1 m

Test Statics:  
Test Count: 171  
Pass Count: 95  
Fail Count: 76  
Yield: 55.56 %  
Step P/F: 191/0  
Barcode: Null  
User Name: administrator

Total Step | Pass Record | Fail Record | Print | Project\_image | Testing Log

步骤序号	步骤说明	步骤功能	标准值	上限差异值	下限差异值	延时时间 ms	结果
178(5390)		DMM get	open	open	open	0	open
179(5420)		DMM get	open	open	open	0	open
180(5450)		DMM get	open	open	open	0	open
181(5480)		DMM get	open	open	open	0	open
182(5510)		DMM get	open	open	open	0	open
183(5540)		DMM get	open	open	open	0	open
184(5570)		DMM get	open	open	open	0	open
185(5600)		DMM get	open	open	open	0	open
186(5630)		DMM get	open	open	open	0	open
187(5660)		DMM get	open	open	open	0	open
188(5690)		DMM get	open	open	open	0	open
189(5720)		DMM get	open	open	open	0	open
190(5750)		DMM get	open	open	open	0	open
191(5780)		DMM get	open	open	open	0	open
192(5810)		Get Resoult	pass	pass	pass	0	pass

Step is End!!

確定

16:16  
2013/4/12

# 应用例:

- 汽车电子: BCM, DCM, ECM, 传感器, 仪表
- 电梯: 显示屏, 控制器
- 软板: 电压, 电流, 波形分析, 烧录





# 模块:

项目	设备	型号	功能
1	In Circuit Tester module.	ADSYS K518Wseries	MDA
2	DMM: Digital multi-meter.	Agilent 34410A/ Rigol DM3058	Meter.
3	PPS/AC source: Programmable power supply.	ITECH PPS series/ All power series	DUT DC Power source.
4	DSO: Digital storage Oscilloscope.	RIGOL 1102 E	Waveform compare.
5	DCS: DC source.	Agilent 2722A	DC stimulus.
6	SG: Arbitrage waveform Signal Generator.	RIGOL VG1022	AC stimulus



# 模块:

7	LED analyzer module. LED.	FEASA F series.	HIS, Dominant wavelength, XY, Color temperature.
8	影像分析模块	SI-YJP 视觉检测系统	外观比对 500万像素工业相机
9	声音辨识模块	ADSYS	声音测试
10	EEPROM writer.	XELTER IS01	Writer.
11	Control card.	ADSYS	1.Air press control port. 2.3 sets 5A DUT power port.
12	40 DRY RELAY CARD.	ADSYS	40 sets 16A 250V HIGH CURRENT port.
13	64*2 matrix Switch card	ADSYS	1.2*64 switching Matrix array port. 2.64 sets 0.5ms/1A, Cotto HIGH SPEED RELAY. •MAXIMUM: 8192*2 PINS.
14	Dimension and weigh	12U*2	12U*2 dual: 1200(W)*800(D)*750mm(H) approx. 140KGs
15	Dimension and weigh	14U*1 14U*2 16U*1, 16U*2	14U*1: 620(W)*800(D)*820mm(H), approx. 80KGs



# ICT模块:

C:\Users\adys\Documents\未命名.ict - K518W-在線測試儀

檔案(F) 編輯(E) 檢視(V) 學習(L) 列印(P) 統計(S) 診斷(D) 設定(O) 說明(H)

電路板名稱: Untitle 測試總次數: 0 實際測試步驟: 3 條碼: | |

測試順序: 總測試時間: 0.0 不良測試步驟: 0 操作者編號: | |

總測試步驟: 3 本次測試時間: 0.0 刪略測試步驟: 0 班別: A



● 放電    ● 短路檢測    ● 開路檢測

● 元件測試    ● EC Jet

● IC開路測試

測試步驟:  
整板 0

測試訊息

測試資料統計

	總計		首測		重測	
測試總數	0	0.0%	0	0.0%	0	0.0%
良品總數	0	0.0%	0	0.0%	0	0.0%
開路不良	0	0.0%	0	0.0%	0	0.0%
短路不良	0	0.0%	0	0.0%	0	0.0%
元件不良	0	0.0%	0	0.0%	0	0.0%
ECJ 不良	0	0.0%	0	0.0%	0	0.0%
IC不良	0	0.0%	0	0.0%	0	0.0%

元件不良訊息

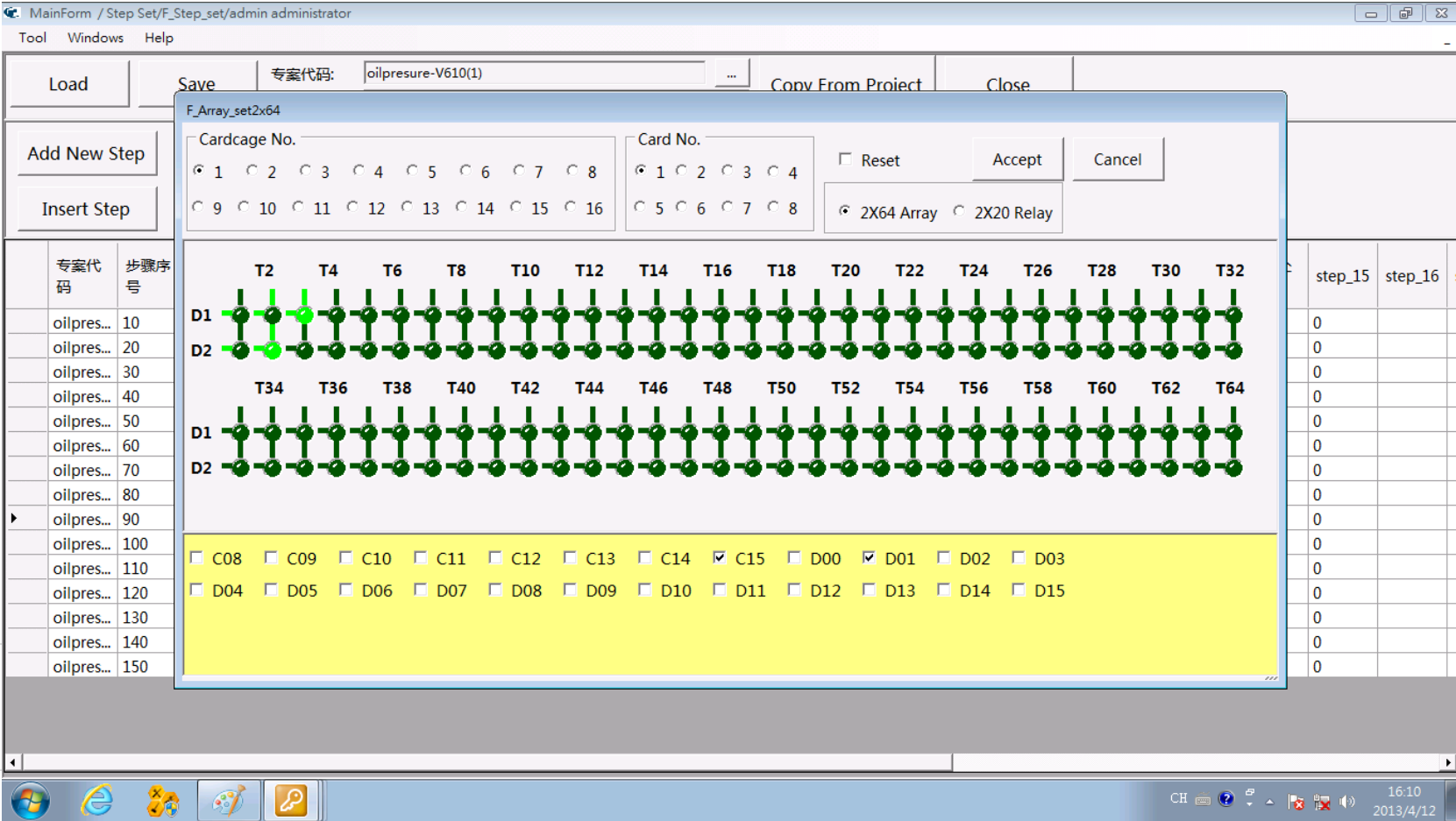
名次	零件名稱	實際值	位置	元件不良	開路	短路

若欲取得「說明」, 請按 F1

總步驟: 3 刪略數: 0 不良數: 0 NUM

16:20  
2013/4/12

# 图形界面开关卡



# 直流电源模块:

MainForm / Step Set/F\_Step\_set/admin administrator

Tool Windows Help

Load Save 专案代码: oilpressure-V610(1) Copy From Project Close

Add New Step Edit Step

Insert Step Delete Step

专案代码	步骤序号	步骤功能	设定
oilpres...	10	Bookmark	start
oilpres...	20	Array set	A010
oilpres...	30	Init Resoult	
oilpres...	40	Clear Log	
oilpres...	50	Test Status	
oilpres...	60	ISP Only Bu...	A012
▶ oilpres...	70	Power set	A011
oilpres...	80	Power get	A011
oilpres...	90	Array set	A010
oilpres...	100	Array set	A010
oilpres...	110	Array set	A010
oilpres...	120	Array set	A010
oilpres...	130	Power set	A011
oilpres...	140	Save DB	
oilpres...	150	Get Resoult	

F\_Step\_flow

步骤序号: 70 步骤说明:

步骤功能: IT6512 Set

设定代号:  

设定代号:

标准值: DCV 12.000 V

上限差异值:

下限差异值: DCI 0.500 A

Barcode addr:

Jump To:  ON

Accept Cancel ON

Next Cancel

时	判定结果	异常处理	step_15	step_16
ms	是/否			
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	Y	Next	0	
	N	Next	0	
	Y	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	Y	Next	0	

16:09  
2013/4/12



# 直流电源模块:

MainForm / Step Set/F\_Step\_set/admin administrator

Tool Windows Help

Load Save 专案代码: oilpressure-V610(1) Copy From Project Close

Add New Step Edit Step

Insert Step Delete Step

专案代码	步骤序号	步骤功能	设定
oilpres...	10	Bookmark	start
oilpres...	20	Array set	A010
oilpres...	30	Init Resoult	
oilpres...	40	Clear Log	
oilpres...	50	Test Status	
oilpres...	60	ISP Only Bu...	A012
oilpres...	70	Power set	A011
oilpres...	80	Power get	A011
oilpres...	90	Array set	A010
oilpres...	100	Array set	A010
oilpres...	110	Array set	A010
oilpres...	120	Array set	A010
oilpres...	130	Power set	A011
oilpres...	140	Save DB	
oilpres...	150	Get Resoult	

F\_Step\_flow

IT6322 Set

Channel

Channel 1 Channel 2 Channel 3

步骤序号: 设定代号: 标准值: 上限差异值: 下限差异值: Barcode addr: Jump To:

12.0000V 0.5000A

DCV 12.000000 V

DCI 0.500000 A

Max Volt: 0 V ON

Accept Cancel

判定结果 是/否	异常处理	step_15	step_16
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
Y	Next	0	
N	Next	0	
Y	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
Y	Next	0	

16:09 2013/4/12



# 交流电源模块:

MainForm / Step Set/F\_Step\_set/admin administrator

Tool Windows Help

Load Save 专案代码: oilpresure-V610(1) Copy From Project Close

Add New Step Edit Step

Insert Step Delete Step

专案代码	步骤序号	步骤功能	设定
oilpres...	10	Bookmark	start
oilpres...	20	Array set	A010
oilpres...	30	Init Resoult	
oilpres...	40	Clear Log	
oilpres...	50	Test Status	
oilpres...	60	ISP Only Bu...	A012
oilpres...	70	Power set	A011
oilpres...	80	Power get	A011
oilpres...	90	Array set	A010
oilpres...	100	Array set	A010
oilpres...	110	Array set	A010
oilpres...	120	Array set	A010
oilpres...	130	Power set	A011
oilpres...	140	Save DB	
oilpres...	150	Get Resoult	

F\_Step\_flow

APR1020 Set

Volt 0.0 V

Freq 0.0 Hz

Ang 0 °

Accept Cancel ON

时 ms	判定结 果是/ 否	异常处 理	step_15	step_16
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
0	Y	Next	0	
0	N	Next	0	
0	Y	Next	0	
	N	Next	0	
	N	Next	0	
0	N	Next	0	
0	N	Next	0	
0	N	Next	0	
0	N	Next	0	
0	N	Next	0	
0	N	Next	0	
0	N	Next	0	
0	Y	Next	0	

Windows Taskbar: 16:10 2013/4/12



# 可程式干接点:

The screenshot displays a software application window titled 'MainForm / Step Set/F\_Step\_set/admin administrator'. The interface includes a menu bar (Tool, Windows, Help) and a toolbar with buttons for 'Load', 'Save', 'Copy From Project', and 'Close'. The 'Save' button is active, and the '专案代码' (Project Code) field contains 'oilpresure-V610(1)'. A dialog box titled 'F\_Array\_set2x64' is open, showing configuration options for a relay array. The dialog includes 'Cardage No.' and 'Card No.' selection fields, a 'Reset' checkbox, and 'Accept' and 'Cancel' buttons. Below these are radio buttons for '2X64 Array' and '2X20 Relay'. The main window features a table with columns for '专案代码' (Project Code) and '步骤序号' (Step Number), listing configurations from 10 to 150. A yellow highlighted section in the dialog shows a grid of checkboxes for relay points (01-40) and a list of card types (C08-C15 and D00-D15). The Windows taskbar at the bottom shows the system tray with the date '2013/4/12' and time '16:11'.





# 波形量测模块

判定结果是/否	异常处理	step_15	step_16
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
Y	Next	0	
N	Next	0	
Y	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
Y	Next	0	

# 波形比对功能

The screenshot shows the 'F\_Wavecompute' dialog box for waveform comparison. The dialog has two tabs: 'DSO Source Wave' and 'Check Wave'. The 'Check Wave' tab is active, showing a red square wave with a green overlay. The parameters are as follows:

- Tolerance Vpp= 3.16
- Volate Diffent (%) = 8
- Time Shift = 5
- Wave Point(Start) = 50
- Wave Point(End) = 300

The background shows a table with the following columns: Project, Step sequ, Judge Y/N, IF NG, step\_15, step\_16, step\_17. The table contains data for steps 620 to 850.

Project	Step sequ	Judge Y/N	IF NG	step_15	step_16	step_17
FCC	620	N	Next	0		
FCC	630	N	Exit	0		
FCC	640	N	Exit	0		
FCC	650	Y	Next	0		
FCC	660	N	Next	0		
FCC	670	N	Next	0		
FCC	680	N	Next	0		
FCC	690	Y	Next	0		
FCC	700	N	Next	0		
FCC	710	N	Next	0		
FCC	720	N	Next	0		
FCC	730	Y	Next	0		
FCC	740	N	Next	0		
FCC	750	N	Next	0		
FCC	760	N	Next	0		
FCC	770	N	Next	0		
FCC	780	N	Next	0		
FCC	790	N	Next	0		
FCC	800	N	Next	0		
FCC	810	N	Next	0		
FCC	820	N	Next	0		
FCC	830	N	Next	0		
FCC	840	Y	Next	0		
FCC	850	N	Jump	0		START

# ADSYS影像分析模块:

\*EasyInspector310 Ver. 2.3.4.2 SKYLOGIQ 1360 x 1024

No.	结果	不合格检查框	文件名
53	NG	1 3 4 5	
		Fail s = 38	Fail rate = 71.70%

保存此表 | 最大化 | 清除

主图像 (+边框设定) 打开 保存 新建

1.jpg

框编号 1 / 1 追加 删除 全框表示

检查名称 Inspection 1 用鼠标绘制检查框

偏差修正

自动 手动 360度 搜索范围 复制设定

交给我  否 040 框分割 复制多个框

和上一个框进行相同校正

颜色比较检查 尺寸角度检查 亮度变化检查

检查设定

和主图像对比  指定颜色检查 个别检查

色差容许范围 (适合值: 10-100)  RGR  色调

红 29 绿 29 蓝 29

联动 严格 宽松

像素检出率基准值 [%] (适合值: 0.01%-10%)

下限 0.1200 现有的检出率 0.14749 上限 0.1600 %

Text (low)  删除小像素 Text (high)

主图像 指定颜色 无效像素 变更颜色

查出这个颜色  查出这个颜色以外 取消变更

\*用鼠标指定颜色

其他

<< 关闭 详细设定 图像再检查 关闭

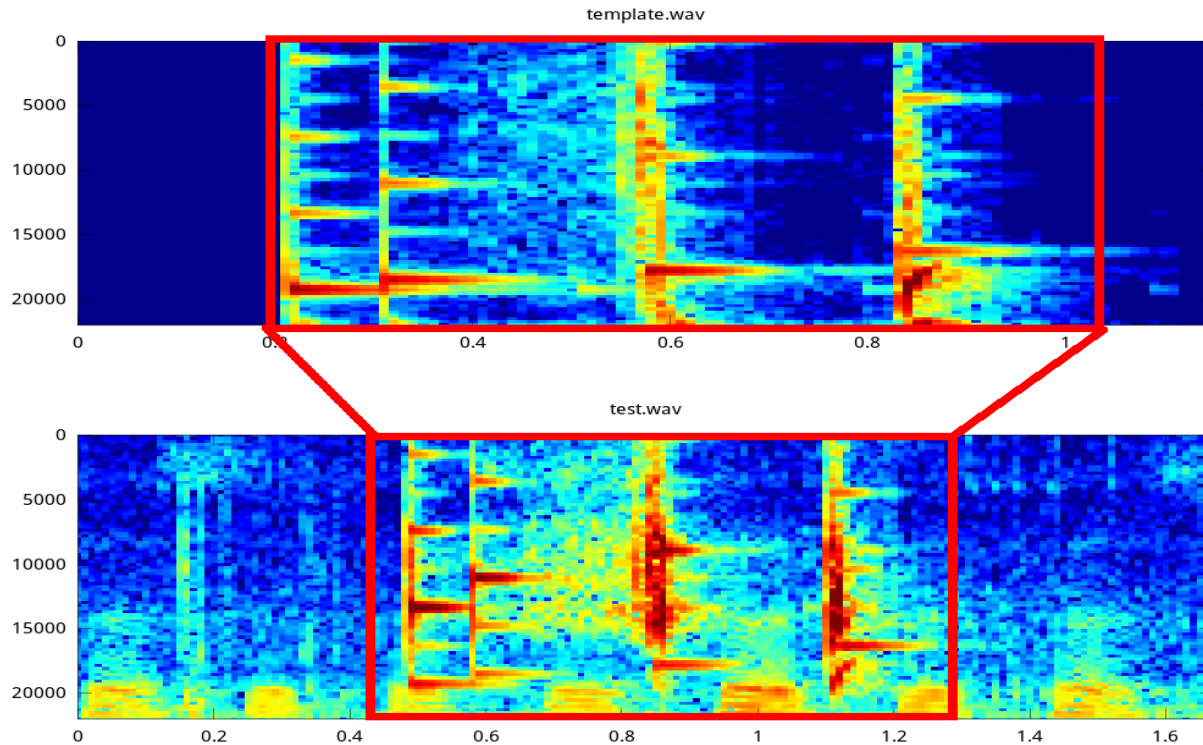
表示切换

现场监控 检查结果 开始检查 (F5) ID 原出人 设定 >>

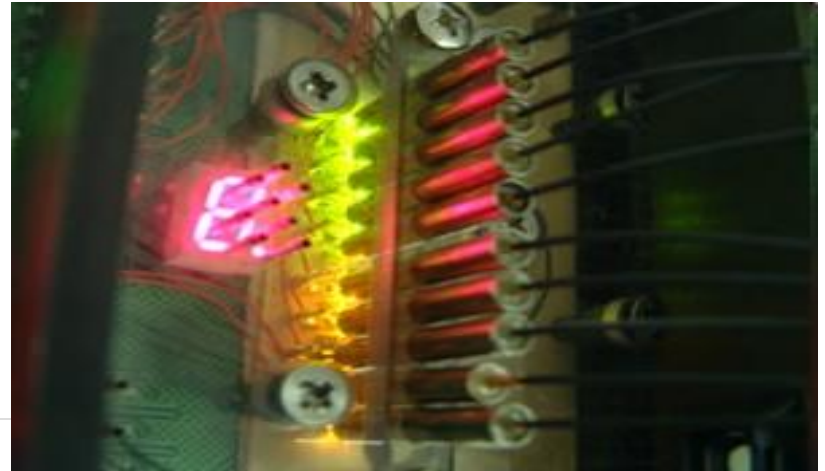
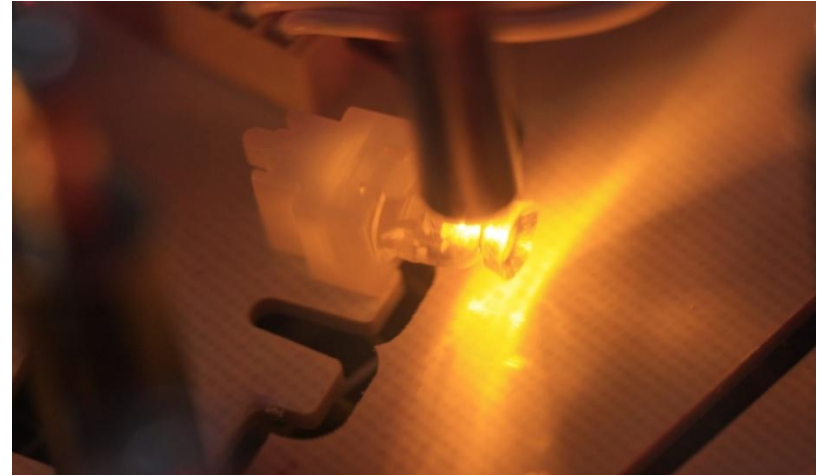
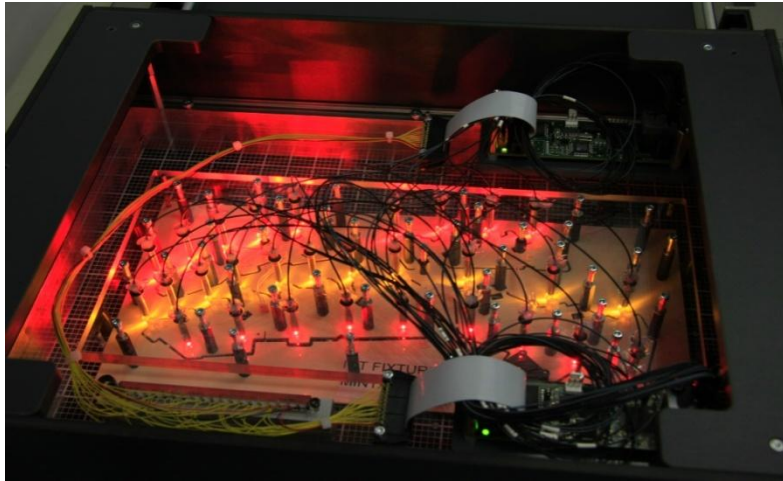
主图像 无效像素

# ADSYS声音辨识模块:

- 辨识模型: voice spectrum pattern match.



# FEASA LED 测试模块



# 电子负载模块:

MainForm / Step Set/F\_Step\_set/admin administrator

Tool Windows Help

Load Save 专案代码: oilpressure-V610(1) Copy From Project Close

Add New Step Edit Step

Insert Step

F\_Step\_flow

步骤序号: 160 步骤说明:

错误信息:

Loader Mode

CV Mode  CC Mode

CR Mode  CW Mode

CV Set

0 mV

On

Accept Cancel

Array set A010

Power set A011

Save DB

Get Result

Dealy Times(ms) 0

判定结果 是/否: N

记录日志: N

异常处理: Exit

Loop: 0

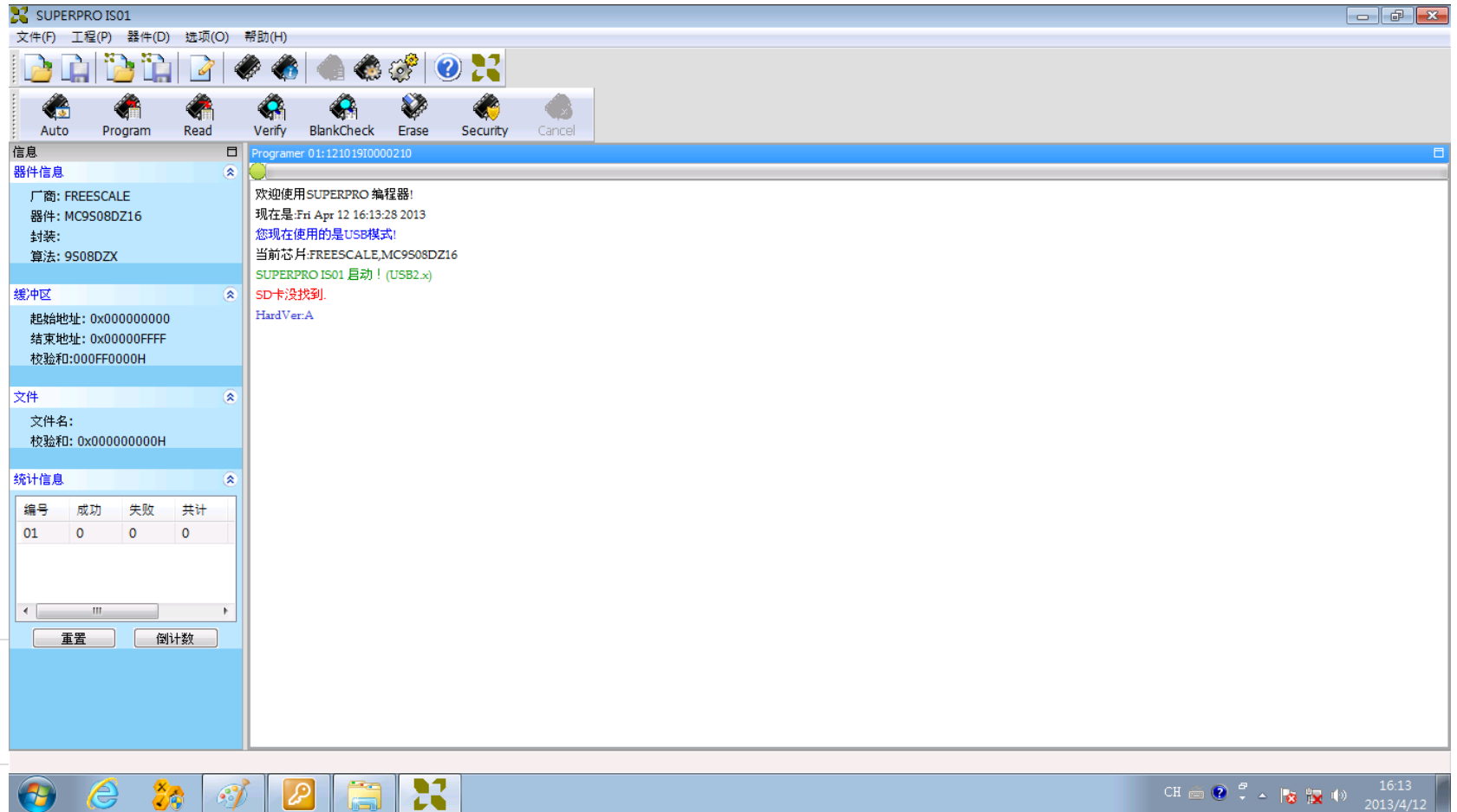
Next Cancel

时	判定结果 是/否	异常处理	step_15	step_16
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	Y	Next	0	
	N	Next	0	
	Y	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	Y	Next	0	

16:12 2013/4/12



# 万用烧录模块



# 专用机挂入功能

MainForm / Step Set/F\_Step\_set/admin administrator

Tool Windows Help

Load Save 专案代码: oilpressure-V610(1) Copy From Project Close

Add New Step Edit Step  
Insert Step Delete Step

专案代码	步骤序号	步骤功能	设定代
oilpres...	10	Bookmark	start
oilpres...	20	Array set	A010
oilpres...	30	Init Resout	
oilpres...	40	Clear Log	
oilpres...	50	Test Status	
oilpres...	60	ISP Only Bu...	A012
oilpres...	70	Power set	A011
oilpres...	80	Power get	A011
oilpres...	90	Array set	A010
oilpres...	100	Array set	A010
oilpres...	110	Array set	A010
oilpres...	120	Array set	A010
oilpres...	130	Power set	A011
oilpres...	140	Save DB	
oilpres...	150	Get Resout	

F\_Step\_flow

步骤序号: 160 步骤说明:

步骤功能: CustomerDLL 错误信息:

设定代号:

设定代号:

标准值: 0

上限差异值: 0

下限差异值: 0

Barcode addr: 异常处理: Exit

Jump To: Loop: 0

Next Cancel

F\_Set\_customerdll

DLL\_Name

CLASS\_Name

Method\_Name

Input\_paramter

Accept Cancel

判定结果是/否	异常处理	step_15	step_16
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
Y	Next	0	
N	Next	0	
Y	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
N	Next	0	
Y	Next	0	

16:14 2013/4/12





# BARCODE 条码机能

MainForm / Test Form/F\_Platform/admin administrator

Tool Windows Help

Test Project: SWCSELFTEST

SWCSELFTEST

**Stop** **Close**

**TESTING**

**Step Count**  
1 / 192

**Test Time**  
0 s  
0 m

**Test Statics**  
Test Count: 172  
Pass Count: 95  
Fail Count: 77  
Yield: 55.23 %  
Step P/F: 0/0  
Barcode: Null  
User Name: administrator

F\_Bar\_keyin

Barcode	1
123457852	

Total Step | Pass Record | Fail Record | Print | Project\_image

步骤序号	步骤说明	步骤功能	标准值	上限差
1(90)		DMM get	100	1
2(120)		DMM get	1	1
3(150)		DMM get	1	1
4(180)		DMM get	1	1
5(210)		DMM get	1	1
6(240)		DMM get	1	1
7(270)		DMM get	1	1
8(300)		DMM get	1	1
9(330)		DMM get	1	1
10(360)		DMM get	1	1
11(390)		DMM get	1	1
12(420)		DMM get	1	1
13(450)		DMM get	1	1
14(480)		DMM get	1	1
15(510)		DMM get	1	1

Windows Taskbar: CH 16:23 2013/4/12



# DMM 参数设定

Function:  DCV,  DCI,  2-Wired,  Cont,  ACV,  ACI,  4-Wired,  Diode,  Freq,  Period,  Capacitance

Range: 20V

Range:  Fast,  Mid,  Slow

DCV Manual Range : 20V

0.000000 V

Start Device, Accept, Cancel

时ms, 判定结果是/否, 异常处理, step\_15, step\_16

时ms	判定结果是/否	异常处理	step_15	step_16
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	N	Next	0	
	Y	Repeat	5	
	N	Next	0	
	N	Next	0	
	Y	Repeat	5	
	N	Next	0	
	N	Next	0	
	Y	Repeat	5	
	N	Next	0	
	N	Next	0	
	Y	Repeat	5	
	N	Next	0	
	N	Next	0	

SWCS... 70 Array set A010  
 SWCS... 80 DMM get A001  
 SWCS... 90 Array set A010  
 SWCS... 100 Array set A010  
 SWCS... 110 DMM get A001  
 SWCS... 120 Array set A010  
 SWCS... 130 Array set A010  
 SWCS... 140 DMM get A001  
 SWCS... 150 Array set A010  
 SWCS... 160 Array set A010  
 SWCS... 170 DMM get A001  
 SWCS... 180 Array set A010

ars\_00000008 set N  
 dms\_00000008 A 1 1 1 0  
 ars\_00000007 Reset N

下限差异值: [ ] 记录日志: N  
 Barcode addr: [ ] 异常处理: Next  
 Jump To: [ ] Loop: 0

Next, Cancel

CH 16:20 2013/4/12

# DMM 参数设定

Agilent DMM / USB0::2391::1543::my47028980::0:INSTR

Function:  DCV  DCI  ACV  ACI  2-Wired  4-Wired  Freq  Cap

Range(for DC/AC/Wired/Cap/freq): 100 ohm

NPLC(for DC/Wired): 0.006

Get Time(for Freq): 1ms

AC Filter(for AC/Freq): 200Hz

Null(for ALL):  OFF  ON

OffSet(for Wired):  OFF  ON

Input(for DC):  10M  10G

Range Auto(for Freq):  OFF  ON

Auto Zero(for DC/Wired):  OFF  ON

Start Device

Accept

Cancel

0.000000 ohm

Next Cancel

专案代码	步骤序号	步骤功能	设定	判定结果	异常处理	step_15	step_16
SWCS...	10	Bookmark	start				
SWCS...	20	Array set	A010	N	Next	0	
SWCS...	30	Init Resoult		N	Next	0	
SWCS...	40	Clear Log		N	Next	0	
SWCS...	50	Test Status		N	Next	0	
SWCS...	60	DMM set	A001	N	Next	0	
SWCS...	70	Array set	A010	N	Next	0	
SWCS...	80	DMM get	A001	Y	Repeat	5	
SWCS...	90	Array set	A010	N	Next	0	
SWCS...	100	Array set	A010	N	Next	0	
SWCS...	110	DMM get	A001	Y	Repeat	5	
SWCS...	120	Array set	A010	N	Next	0	
SWCS...	130	Array set	A010	N	Next	0	
SWCS...	140	DMM get	A001	Y	Repeat	5	
SWCS...	150	Array set	A010	N	Next	0	
SWCS...	160	Array set	A010	N	Next	0	
SWCS...	170	DMM get	A001	Y	Repeat	5	
SWCS...	180	Array set	A010	N	Next	0	

# 测试中 TESTING

MainForm / Test Form/F\_Platform/admin administrator

Tool Windows Help

Test Project: SWCSELFTEST

SWCSELFTEST

**Stop** **Close**

**TESTING**

**Step Count**  
13 / 192

**Test Time**  
C 1.405 s  
A 1 m

**Test Statics**  
Test Count: 171  
Pass Count: 95  
Fail Count: 76  
Yield: 55.56 %  
Step P/F: 12/0  
Barcode: Null  
User Name: administrator

Total Step | Pass Record | Fail Record | Print | Project\_image | Testing Log

步骤序号	步骤说明	步骤功能	标准值	上限差异值	下限差异值	延时时间 ms	测试值	测试结果
1(80)		DMM get	1	1	1	0	0.796488	Pass
2(110)		DMM get	1	1	1	0	0.834117	Pass
3(140)		DMM get	1	1	1	0	0.833165	Pass
4(170)		DMM get	1	1	1	0	0.819074	Pass
5(200)		DMM get	1	1	1	0	0.760243	Pass
6(230)		DMM get	1	1	1	0	0.772893	Pass
7(260)		DMM get	1	1	1	0	0.742676	Pass
8(290)		DMM get	1	1	1	0	0.785872	Pass
9(320)		DMM get	1	1	1	0	0.758887	Pass
10(350)		DMM get	1	1	1	0	0.779166	Pass
11(380)		DMM get	1	1	1	0	0.767844	Pass
12(410)		DMM get	1	1	1	0	0.756089	Pass
13(440)		DMM get	1	1	1	0		
14(470)		DMM get	1	1	1	0		
15(500)		DMM get	1	1	1	0		

Windows Taskbar: 16:17 2013/4/12



# 测试结果FAIL

MainForm / Test Form/F\_Platform/admin administrator

Tool Windows Help

Test Project: SWCSELFTEST

SWCSELFTEST

Stop Close

# FAIL

Step Count: 192 / 192

Test Time: C 19.524 s, A 0 m

Test Statics:  
Test Count: 172  
Pass Count: 95  
Fail Count: 77  
Yield: 55.23 %  
Step P/F: 190/1  
Barcode: Null  
User Name: administrator

Total Step | Pass Record | Fail Record | Print | Project\_image | Testing Log

步骤序号	步骤说明	步骤功能	标准值	上限差异值	下限差异值	延时时间 ms	测试值	测试结果
1(80)		DMM get	100	1	1	0	0.843809	Fail
2(110)		DMM get	1	1	1	0	0.831074	Pass
3(140)		DMM get	1	1	1	0	0.849809	Pass
4(170)		DMM get	1	1	1	0	0.781069	Pass
5(200)		DMM get	1	1	1	0	0.792089	Pass
6(230)		DMM get	1	1	1	0	0.783263	Pass
7(260)		DMM get	1	1	1	0	0.729508	Pass
8(290)		DMM get	1	1	1	0	0.759348	Pass
9(320)		DMM get	1	1	1	0	0.756118	Pass
10(350)		DMM get	1	1	1	0	0.755628	Pass
11(380)		DMM get	1	1	1	0	0.808949	Pass
12(410)		DMM get	1	1	1	0	0.801536	Pass
13(440)		DMM get	1	1	1	0	0.716341	Pass
14(470)		DMM get	1	1	1	0	0.716859	Pass
15(500)		DMM get	1	1	1	0	0.724677	Pass

Step is End!!

确定

Windows Taskbar: CH, 16:18, 2013/4/12

# 测试结果PASS

MainForm / Test Form/F\_Platform/admin administrator

Tool Windows Help

Test Project: SWCSELFTEST

SWCSELFTEST

Stop Close

**PASS**

Step Count: 192 / 192

Test Time: C 19.03 s, A 1 m

Test Statics: Test Count: 171, Pass Count: 95, Fail Count: 76, Yield: 55.56 %, Step P/F: 191/0, Barcode: Null, User Name: administrator

Total Step | Pass Record | Fail Record | Print | Project\_image | Testing Log

步骤序号	步骤说明	步骤功能	标准值	上限差异值	下限差异值	延时时间 ms	结果
178(5390)		DMM get	open	open	open	0	
179(5420)		DMM get	open	open	open	0	
180(5450)		DMM get	open	open	open	0	
181(5480)		DMM get	open	open	open	0	
182(5510)		DMM get	open	open	open	0	open
183(5540)		DMM get	open	open	open	0	open
184(5570)		DMM get	open	open	open	0	open
185(5600)		DMM get	open	open	open	0	open
186(5630)		DMM get	open	open	open	0	open
187(5660)		DMM get	open	open	open	0	open
188(5690)		DMM get	open	open	open	0	open
189(5720)		DMM get	open	open	open	0	open
190(5750)		DMM get	open	open	open	0	open
191(5780)		DMM get	open	open	open	0	open
192(5810)		Get Resoult	pass	pass	pass	0	pass

Step is End!!

确定

Windows Taskbar: CH, 16:16, 2013/4/12

# 测试结果查询

MainForm / F\_Query\_Result/F\_Query\_Result/admin administrator

Tool Windows Help

Project ID: SWCSELFTEST ... SWCSELFTEST

Work No:

Barcode:

Date Range: 2013/04/12 - 2013/04/12

Project ID	Project Name	Step No	Step Name	BarCode	Work No	Standard Value	Measure Value	Upper limit	Lower limit	Results	Date Time
SWCSELF...	SWCSELF...	80				1	0.827627	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	110				1	0.814949	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	140				1	0.799200	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	170				1	0.769040	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	200				1	0.742921	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	230				1	0.772704	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	260				1	0.777536	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	290				1	0.762796	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	320				1	0.720768	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	350				1	0.711970	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	380				1	0.770670	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	410				1	0.747725	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	440				1	0.717970	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	470				1	0.736243	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	500				1	0.725628	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	530				1	0.678090	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	560				1	0.675047	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	590				1	0.708306	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	620				1	0.657754	1	1	Pass	2013/04/1...
SWCSELF...	SWCSELF...	650				1	0.696278	1	1	Pass	2013/04/1...

Windows taskbar: 16:21 2013/4/12





# 数据库管理系统

Toad for Oracle - [ADSYS@ORCL - Schema Browser (ADSYS.RESULT\_DAT)]

File Edit Search Editor Session Database Debug View Utilities Window Help

ADSYS@ORCL

Editor Schema Browser

ADSYS

Tables

RESULT\_DAT: Created: 2012/9/16 下午 04:08:42 Last DDL: 2012/12/7 下午 04:50:50  
Primary Key: <none>

Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing

Sort by Primary Key Desc  
Read Only Auto Refresh

RES_01	RES_02	RES_03	RES_04	RES_05	RES_06	RES_07	RES_08	RES_09	RES_10	ADD_DATE	ADD_USER	RES_11
hair	1630				0.5	0.696603	0.5	0.5	Pass	2012/07/25 09:10:23	admin	
hair	1690				0.5	0.723317	0.5	0.5	Pass	2012/07/25 09:10:23	admin	
hair	1750				0.5	0.731974	0.5	0.5	Pass	2012/07/25 09:10:23	admin	
hair	1810	test			0.5	0.750069	0.5	0.5	Pass	2012/07/25 09:10:23	admin	
hair	180				0.5	0.575590	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	240				0.5	0.573732	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	300				0.5	0.594873	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	360				0.5	0.594465	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	420				0.5	0.602156	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	480				0.5	0.608026	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	540				0.5	0.619135	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	600				0.5	0.619135	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	670				0.5	0.680961	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	730				0.5	0.677394	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	790				0.5	0.716258	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	850				0.5	0.748508	0.5	0.5	Pass	2012/07/25 09:12:07	admin	
hair	910				0.5	0.671598	0.5	0.5	Pass	2012/07/25 09:12:07	admin	

Row 346 of 500 fetched so far (more rows exist)

Cnt: 19; Sel: 1 ADSYS@ORCL

AutoCommit is OFF CAPS NUM INS

16:15 2013/4/12

# 工作划分

- ATE i7000的硬件主要由系新科技设计负责,软件及资料库的开发由东月科技负责,客户案例的需求确认及导入主要由系新主导东月辅助
- 由于功能测试包含层面较广,软件的版本一直与系新密切配合更新,目前系新的方向是朝汽车电子产业努力,例如**EPS**模块,车窗模块等等