

## Brief Introduction

**Spokesman : Tony Liu**  
**Date : 9 May, 2013**



## Contents

## Time

- |   |             |
|---|-------------|
| <input type="checkbox"/> Brief Introduction of YTEC | 15:00~15:20 |
| <input type="checkbox"/> Q & A                      | 15:20~16:00 |

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- Brief Introduction**
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- OEM Services**
- Own Product Development**
- Revenue Growth**
- Company Mission**





# Brief Introduction

Company Profile

**Found Time** : 1991/July

**Chairman** : Bily Wang

**President of Service Group** : Jeff Chang

**President of Own Product Group** : Glen Chen

**Employees** : 956 persons

**Capital** : NTD 1142million (USD 38.5 million)

**Factories** : **Plant 1** : Special & substrate sawing

**SBIP Plant** : IC back-end turn-key service, ATE&AOI

**Li Hsin Plant** : LED back-end turn-key service

**An Ping Plant** : LED Testing & sorting

**Xiamen/Changzhou Plant** : LED Testing & sorting

**CRT (Shenzhen) Plant** : IC Testing & sorting

**WuJiang MightYtek Plant** : IC Assembly & Testing

## **Business Items** :

- 1. Semiconductor and LED OEM:** IC testing, wafer sawing, grinding, chip sorting and LED testing, laser scribing, sorting and substrate sawing.
- 2. Design, manufacture and sales of semiconductor equipments:** Full-function IC tester, logic ,analog, Mixed-Signal IC Tester ,IC handler, LED tester, prober ,Handler and sorter, LED dispenser, CCM equipments, AOI system.



# Factory Overview

Company Profile

Plant #1



SBIP Plant



Li-Hsin Plant



Hsinchu

Tainan

An-Ping Plant





# Factory Overview

Company Profile

Changzhou YT Plant



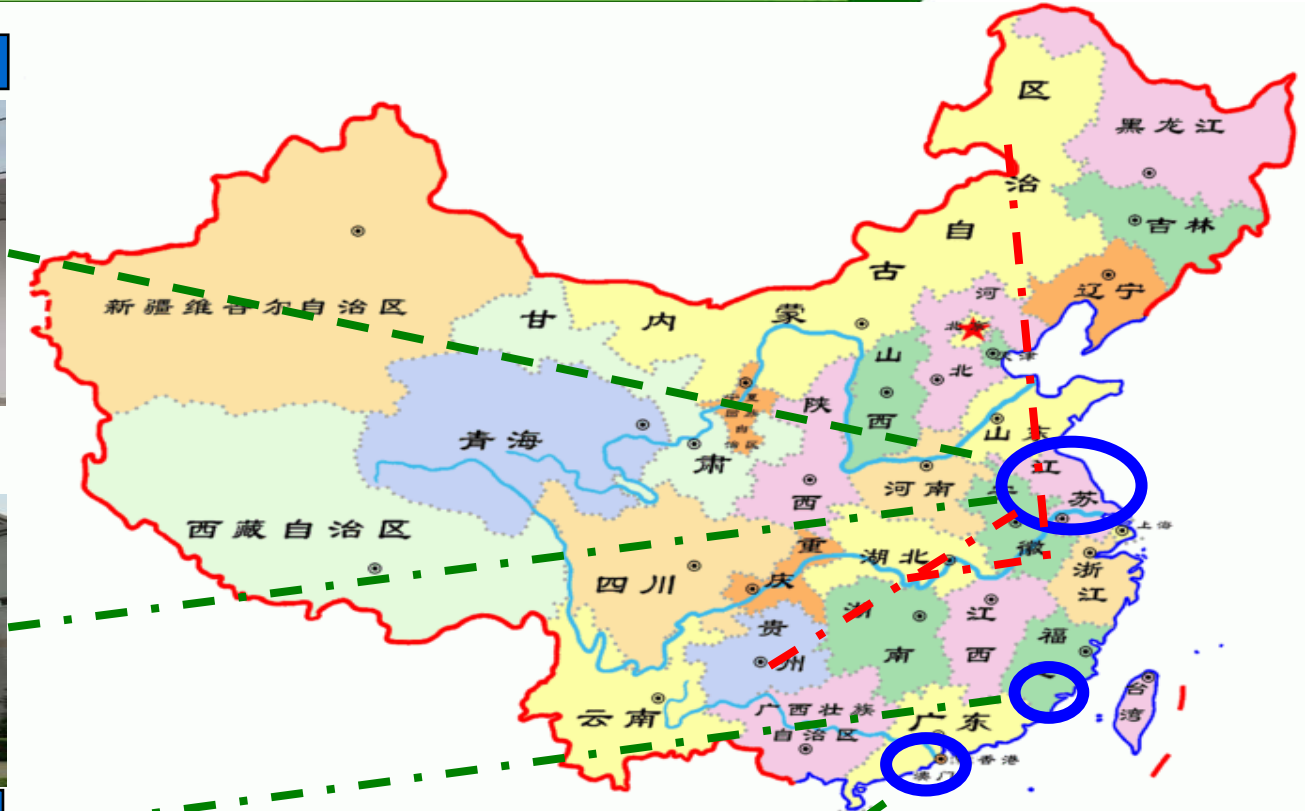
Wujiang MightYtek Plant



Xiamen YT Plant



CRT (Shenzhen) Plant



# Company Milestone

Company Profile

- 1991/Jul. YTEC was founded and the capital is NTD \$ 5 million.
- 1998/Oct. Develop logic tester (Goblin) with 5 MHz/40 pins.
- 2000/Mar. Achieved the certification of ISO 9001
- 2000/Jul. Full-function IC tester was verified by industry agency with predominant product development project.
- 2002/Nov. SEC (Securities and Exchange Commission) approve YTEC to public stock.
- 2003/Nov. LED OEM service was established.
- 2003/Dec. Obtain OTC certification.
- 2004/Mar. Got the approval to establish the branch in Hsin chu SBIP.
- 2004/Mar.29 Listed in Taiwan stock exchange. (Stock No.: 6261)
- 2006/Mar. Signs the cooperation agreement of the IC test system technology. with Agilent Technologies
- 2006/Dec. Achieved the certification of ISO 14001 and OHSAS 18001.
- 2007/Jul. Develop Tainan An Ping plant for LED sorting.
- 2008/May Develop Li Hsin plant for LED test & sorting.
- 2008/Oct. Achieved the certification of ISO/TS 16949.
- 2009/May. To establish the Xiamen Young Tek Electronics Co., Ltd. to provide the LED Backend Turn-key service.
- 2009/Jun. Solar silicon substrate inspection system was verified Science Park Administration with development project.
- 2010/Mar. Develop SBIP plant for wafer grinding & sawing.
- 2010/Sep. To establish the Changzhou YoungTek Electronics Co., Ltd. to provide the LED Backend Turn-key service.
- 2011/Jan. Achieved the certification of IECQ QC080000.
- 2011/Dec. To establish the WuJiang MightYtek Semiconductor Co., Ltd. to provide the Semiconductor Backend Testing & Ass'y Turn-key service.
- 2012/Feb. To establish the Shenzhen Clear Rich Tech. Co., Ltd. to provide the Semiconductor Backend Testing service.
- 2012/May. Signs the cooperation memorandum, the expansion related marketing functions Development with Yoshikawa Semiconductor Co., Ltd.



# Company Management Concept

Company Profile

## 經營理念：(Management Concept)

主人翁經營理念；下工程即是客戶。

Treat YTEC as your own company. (Host concept)

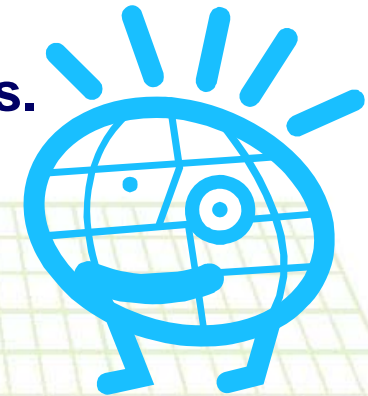
Treat all post projects and processes as our customers.

## 工作態度：(Working Attitude)

成功者找方法；失敗者找藉口。

A successful person will find the way to overcome a challenge

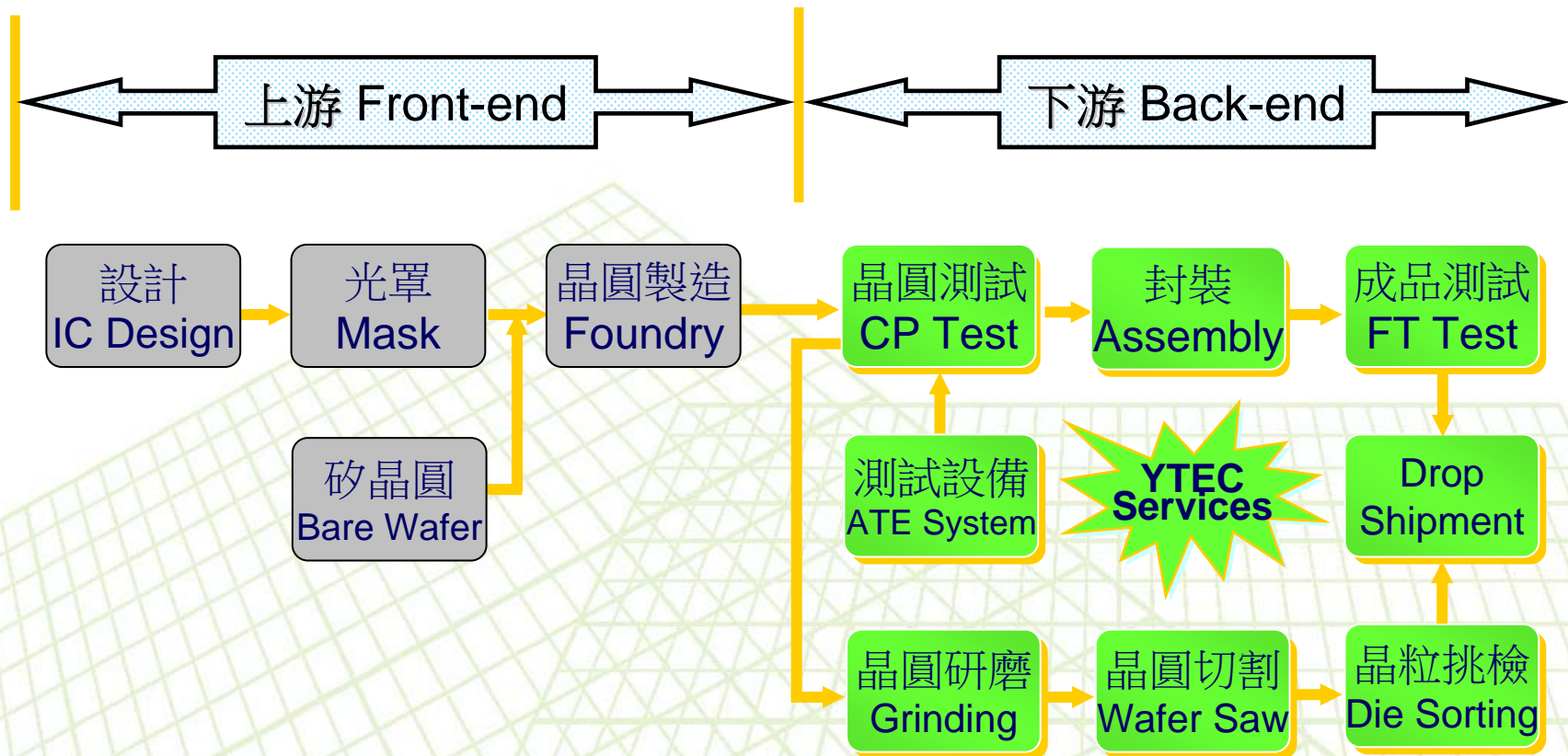
Loser finds excuses.





# IC OEM Services

Company Profile



# 專業測試代工服務(IC Testing OEM)

Company Profile

- ❑ 4"~12" Wafer testing (**CP**)、Test program and test kit development (Probe-card design and manufacture).
- ❑ IC packaging testing (**FT**)、Package type : DIPs、T/SOPs、L/QFPs、QFN、L/BGA...
- ❑ PC peripheral product、Logic、Analog、Mixed-signal、No-volatile memory、MCU、LCD driver IC、High speed/ High pin count (Scud-1A 512C) testing.  
CIS(CMOS Image Sensor)、RF、SoC product testing
- ❑ Others : Laser trimming、Lead scanning、Test program and test kit development technical support **Turn-key service** (For example: PKG assembly、Tape-reel、Drop-shipment...).





# 研磨、切割及挑檢代工服務 (Grinding, Sawing, P&P Service)

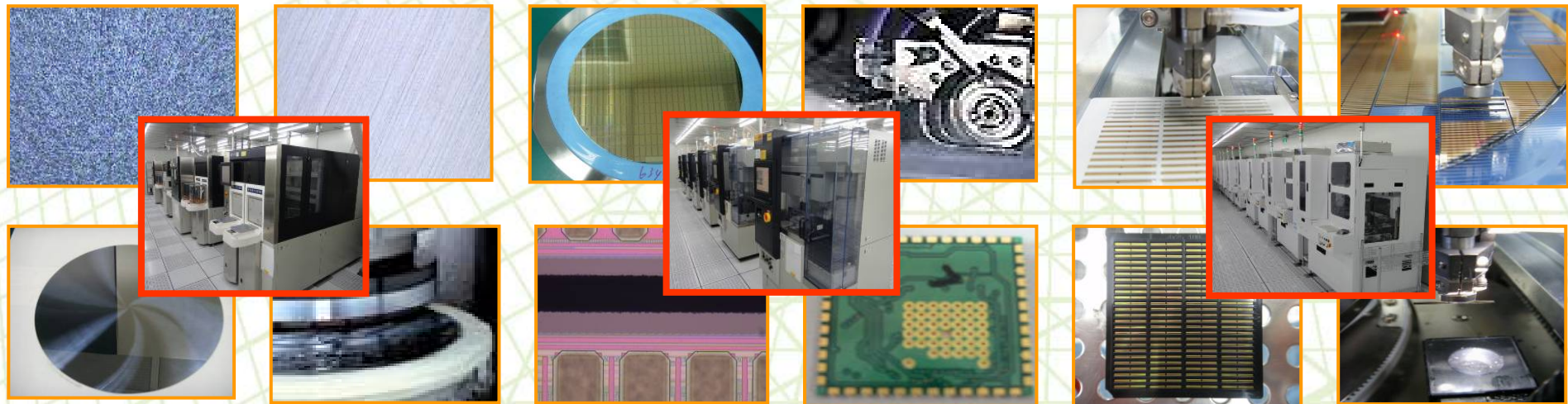
Company Profile

## ❑ IC Grinding、Sawing、Pick & Place

- 4"~12" Wafer back-side grinding、sawing、chip pick & place services for Consumer and gold bump COG products。
- Pick & Place Chip Back-side AOI inspection System inside。

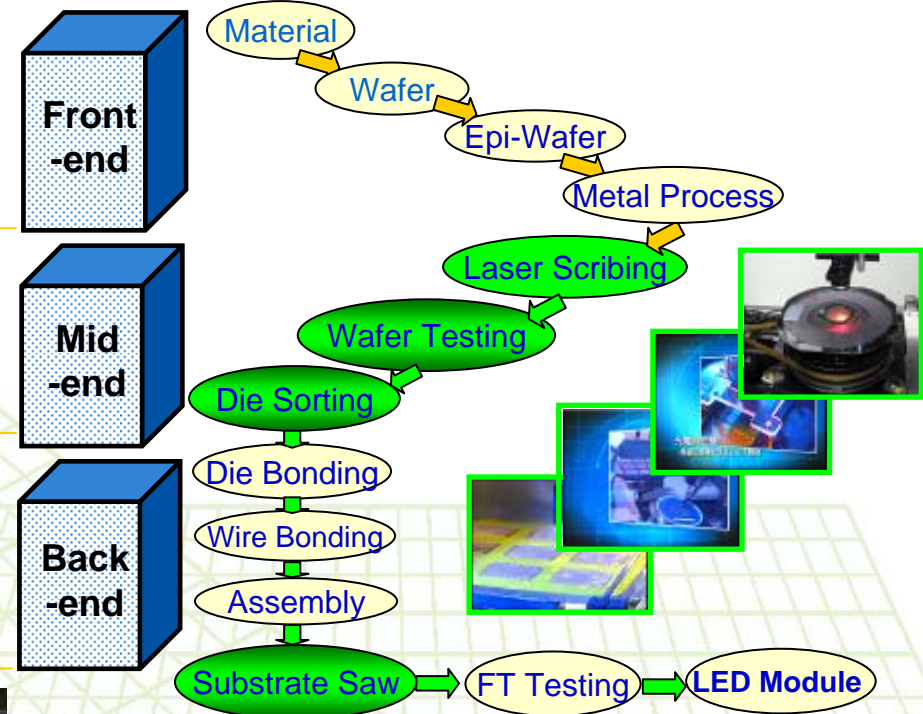
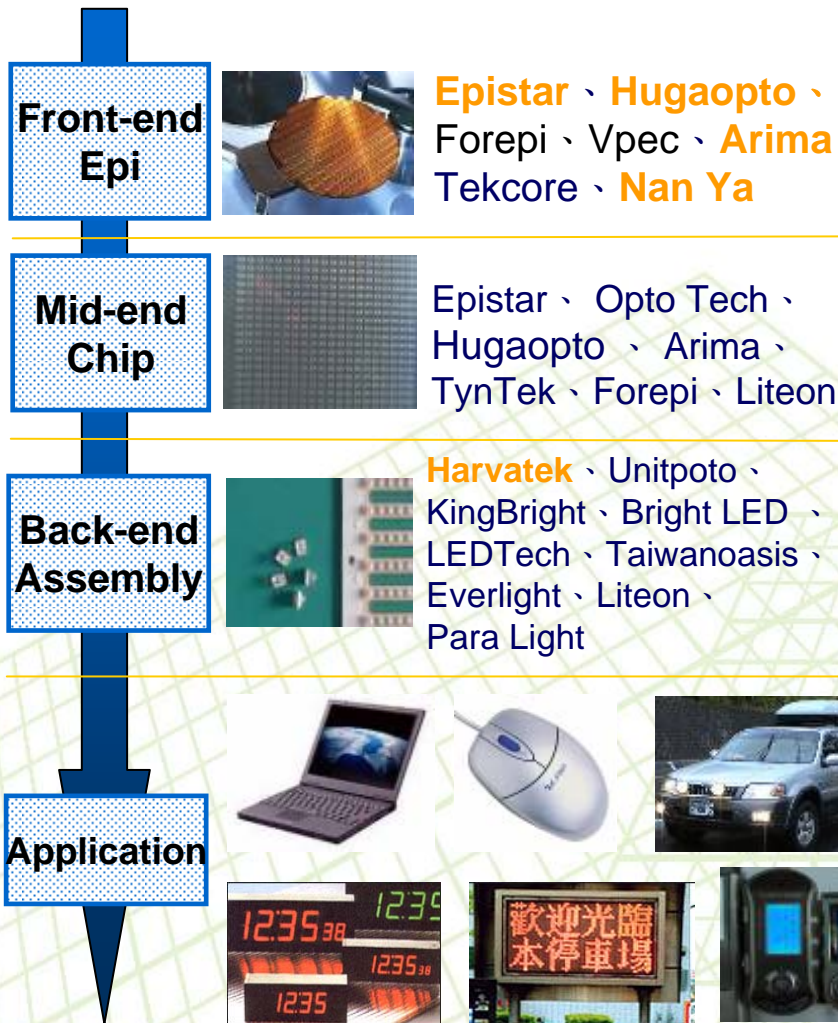
## ❑ Substrate Sawing

- LED package substrate、Glass substrate、Ceramic Substrate、Ceramic+FR4、Lead-frame、QFN package、HTCC、LTCC、PCB。



# LED OEM Services

Company Profile



- **Front-end Product** : Wafer · Epi-Wafer · For example GaAs · GaAsP · AlGaAs · AlGaInP
- **Mid-end Product** : Laser Scribing · Wafer Testing and Pick & Place Die-sorting
- **Back-end Product** : Lamp · Display · SMD · IR transmission module · Optical Communication product · Substrate Saw



# IC Testing Application Equipment

Company Profile



**YT5100**

全功能高頻SoC IC  
測試機

**Scud-1A**



**YT6100**

Fat Type  
IC測試分組機



**YT6200**

QFN測試包裝機

# YT5100 & Scud-1A IC Tester

Company Profile

YT5100 High Speed Soc IC Tester

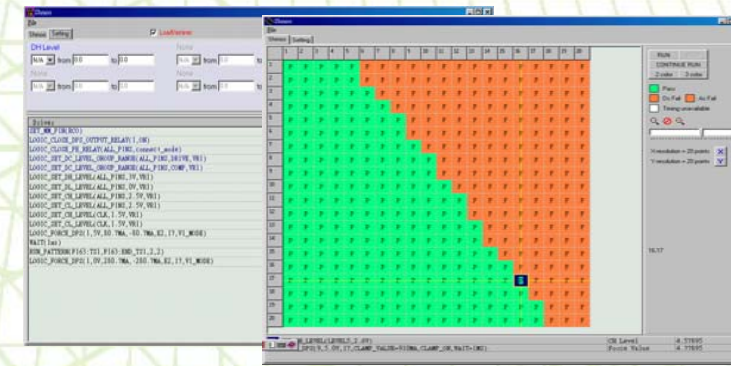
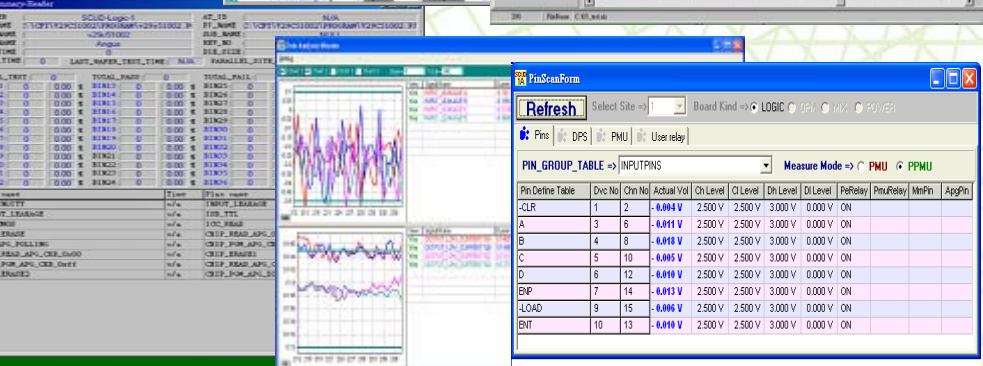
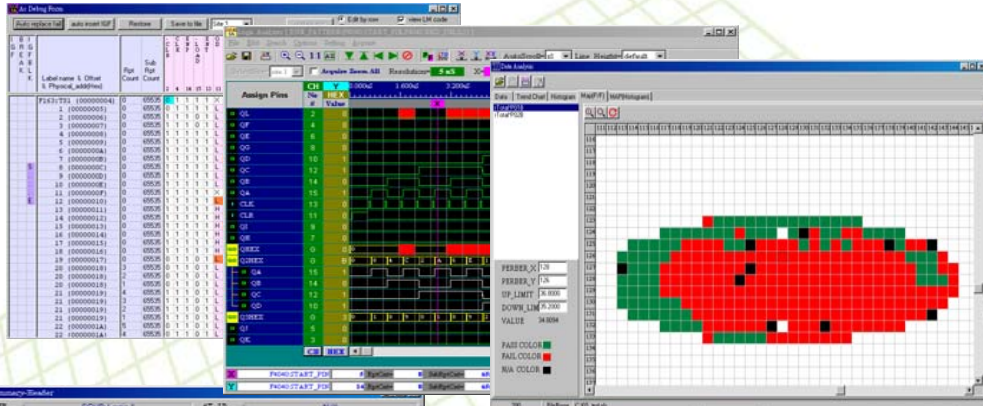
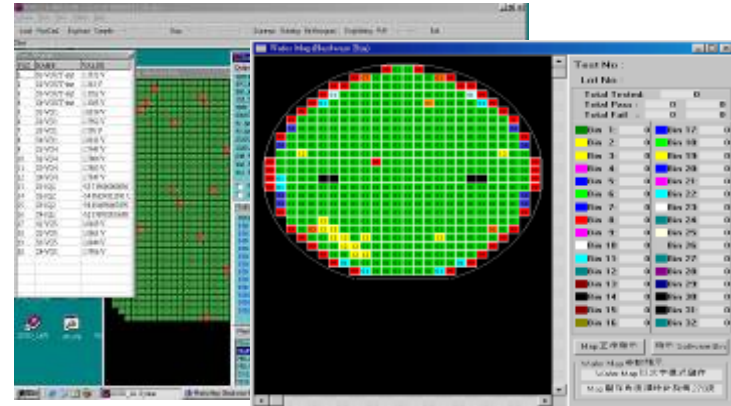
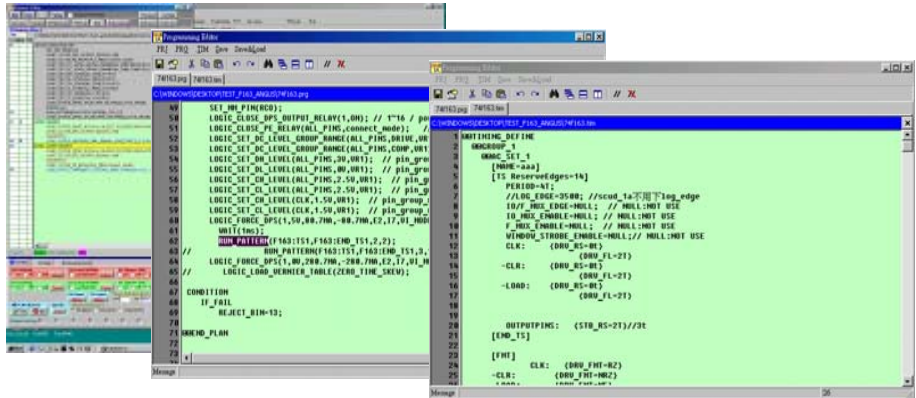
Scud-1A Fully Auto IC Tester





# Scud-1A IC Tester System Environment

Company Profile



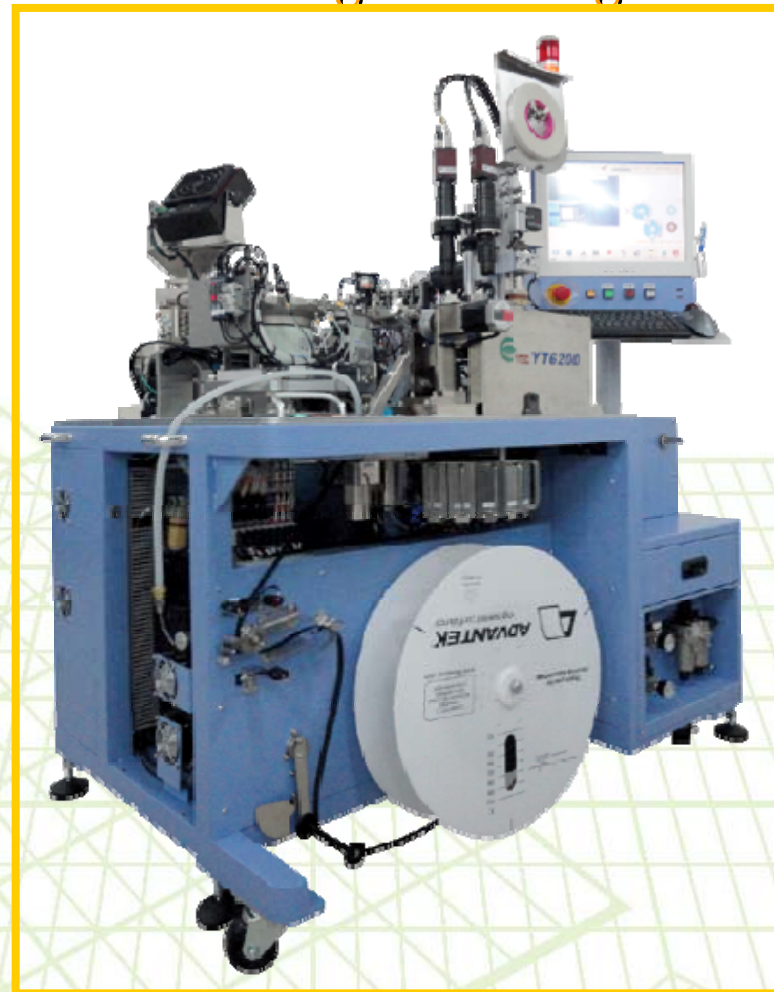
# YT6110 IC Handler / YT6200 QFN Testing & Packing

Company Profile

YT6110 IC Handler



YT6200 QFN  
Testing & Packing





# 影像感測模組測試設備 CCM (CMOS/Compact Camera Module)

Company Profile

影像感測模組測試設備

CCM YT3100



全自動影像感測模組測試設備

CCM YT3300



# YT1100 LED Tester(YT1100 LED 測試機)

Company Profile

□ YTSD01 → YTSD02 → YT1000 HV LED Tester(8000V ESD)  
→ YT1100 HV LED Tester (Multi-station)





# DB-260 LED Prober

Company Profile

## PB-260 LED Prober

### PB-260 LED 晶粒檢測機 LED Chip Probe Station



**自動換探針功能  
針痕監控系統  
晶粒外觀辨識功能**





■ 鏡分球收光高度6mm

■ 複合式收光系統

### PB-260

**雙池、變角、PAD、極化辨識**

**特色:**

- 自動換探針功能 **NEW**
- 針痕監控系統 **NEW**
- 探針高度感知 **NEW**
- 雙池、變角、PAD、極化辨識系統
- 鏡分球收光高度6mm
- 自動設定起始點(Auto Alignment Key Search)
- 簡易的操作畫面
- Z軸採用直結式螺桿高速運動剛性高結構穩定
- 可依客戶需求，同時安裝鏡分球與顯微鏡收光系統
- 鏡分球固定座採用三軸精密微調平台
- 探針座使用快拆式底座，探針維護便利
- 可依客戶需求搭配導電或不導電平台

**規格(Specification)**

Chuck 行程	4" MAX.	138mm or 150mm
Water 特性		可選擇無塵
X-Y 軸行程	210mm x 470mm	0層行程
X-Y 軸解精度	1 μm	0層精度
X-Y 軸精度	< 2.14 μm	0層精度
Z 軸行程	100mm	行程精度
Z 軸解精度	1 μm	精度
Z 軸精度	5.4 μm	精度
Communication Interface		TTL, RS232
機台尺寸		Width = 1165mm, Depth = 917mm, Height = 1843mm (Incorporate and lower light)

越路如有變更，恕不另行通知

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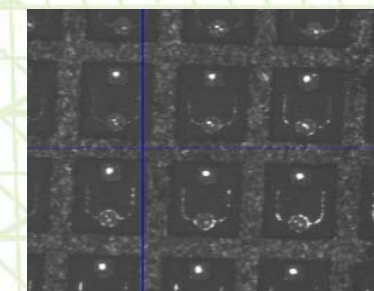
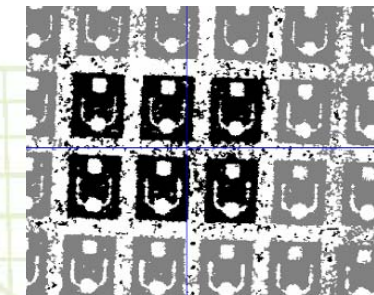
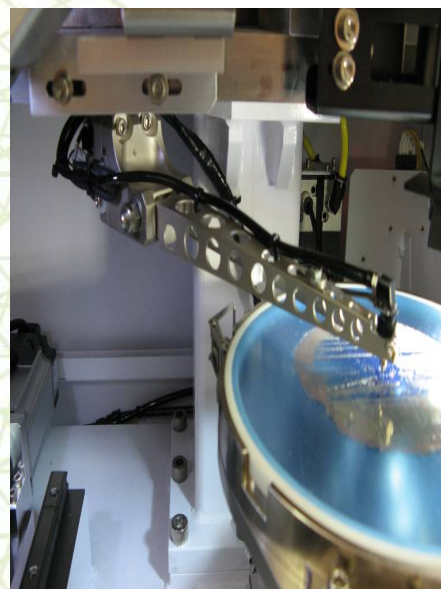
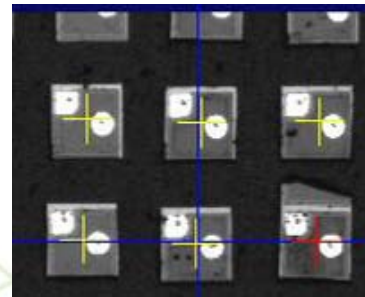
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# LS-360 LED Sorter

Company Profile

## LS-360 LED Sorter





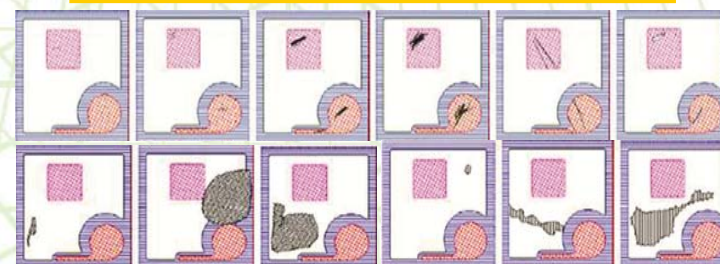
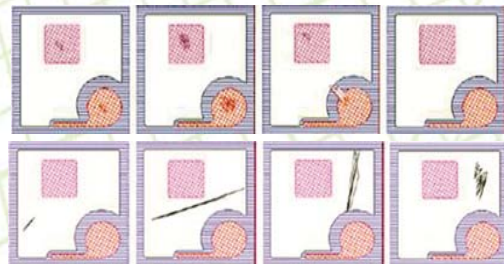
# 自動光學檢測系統 (Auto Optical Inspection)

Company Profile

**YT 5311 LED Chip/Wafer/Mask**  
半自動光學檢測系統



**YT 2800 LED Chip/Wafer/Mask**  
全自動光學檢測系統



# 自動光學檢測應用(AOI Application)

Company Profile

被動元件、LED  
產品六面外觀檢測



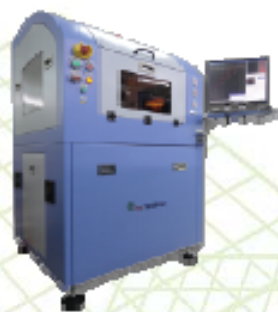
**YT2300**

元件六面外觀  
檢測機

**YT2330**

被動元件六面外觀  
檢測機

LED及被動元件散熱基板  
產品之外觀檢測



**YT2700**

LED及被動元件  
散熱基板之2D AOI  
檢測機



**YT2705**

LED及被動元件  
散熱基板之2D AOI  
檢測機  
(Auto Load/Unload)





# 自動光學檢測系統 (Auto Optical Inspection)

Company Profile

YT 2300(YT2330) Component AOI

自動光學檢測系統(雙軌)



## Reel type taped products:

- Resistor
- Capacitor
- Inductor
- LED
- IC
- Relay
- Connector
- Fuse



# LED Assembly Application Equipment

Company Profile





# DB-159 Die Bonder & YT2500 LED Dispenser

Company Profile

## DB-159 Die Bonder

## YT2500 LED Dispenser

DB-159 泛用型高速固晶机  
High Speed Multiple Applications Epoxy Die Bonder

UPH **15K**  
Cyc. Time 230ms

超宽工作行程: 120 x 280mm  
顶针自动测高, 防撞设计  
多种制程选择  
开放式参数设定



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DB-159

多制程选择

- ◆ 个别产程角度判读功能(图1)
- ◆ CAD程式输入档案功能(图2)
- ◆ 多晶圆功能(图3)
- ◆ 特殊点胶固晶功能(图4)
- ◆ 多型影像寻晶功能



影像辨识系统 (图5)

- ◆ 可执行外观检查标准: 3D测、PAD污染检查、缺角、破裂、荧光剂污染检查
- ◆ 具有缺漏、掉晶检查功能
- ◆ 影像测料可空料判别
- ◆ 晶圆位置设定能以方形Chek图图形标示显示, 以提高设定精度 (图6)
- ◆ 晶圆旋转修正功能

规格(Specification)

制程速度 UPH	15K (SMD) 30K (裸晶, 无下TRIM)	影像辨识系统 CCD	25K Die level 100x100 pixel
Bonding accuracy	X: ±0.01, Y: ±0.01	Resolution	5.4 pixel
Bonding zone	Max. 825 mm/die	载晶重量 Weight	100mg
晶片尺寸范围		载晶尺寸 重量 Height	1310x ±1200 ±100µm
Wafer Ring Dia	6" (152mm)	制程速度	
Working Range	±120mm (X/Y)	Power Req.	AC220V / 4A(Normal), 120V(110V) / 2200W
Die size	01mm - 80mm (10x10) 最大高度8mm	Pneumatic source	5 kg/cm <sup>2</sup> 0.5kg/cm <sup>2</sup> (Sub-H Vac. Pump)
工作行程 Length	110" (2793mm)		
Height	4.7" (119mm)		
产品重量 Weight	400kg		
载晶载具规格	Auto CCD ± 1" CCD ± X/Y 2 axis Stage		

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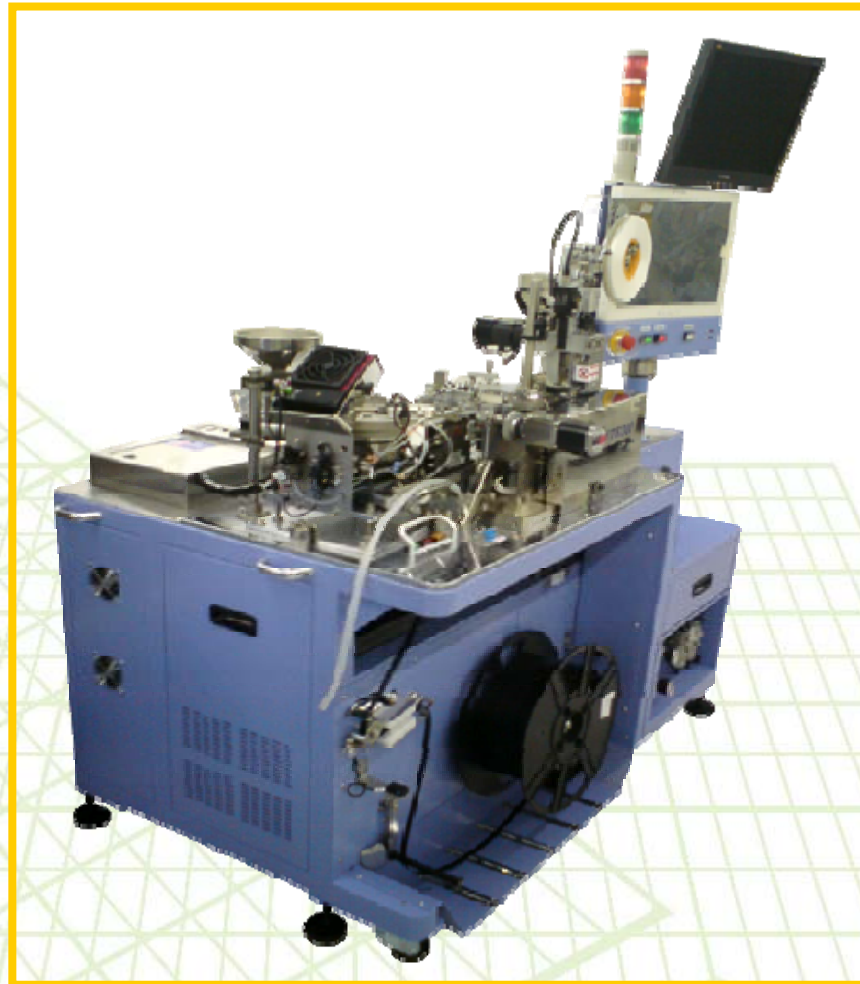
# YT6400 LED Handler & YT6300 LED Tapping

Company Profile

YT6400 LED Handler



YT6300 LED Tapping



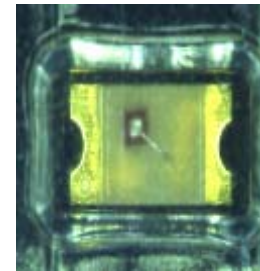


# 自動光學檢測系統 (Auto Optical Inspection)

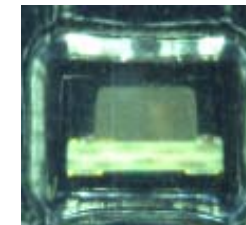
Company Profile

## YT 2210 Reel Type Components

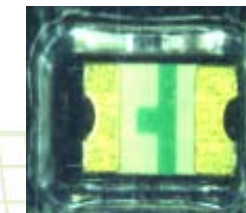
自動光學檢測系統



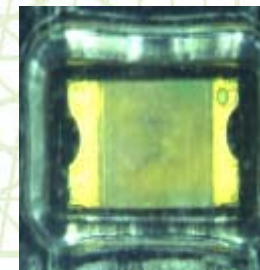
Polarity inverse package



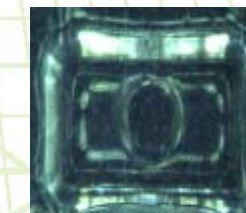
Tilt



Over turn



Mixed package



Empty

# Revenue Growth



# 2011 & 2012 Monthly Revenue

Company Profile  
NT\$(Thousand)

Business Item/Month		Jan.	Feb	Mar	Apr	May	Jun.	Jul.	Aug.	Sep	Oct.	Nov.	Dec.	Total	Share(%)
切割挑檢代工 Sawing & Sorting OEM	2011	99,641	107,086	131,677	124,662	130,566	128,825	127,673	103,794	98,761	94,537	89,523	81,498	1,318,243	47.21%
	2012	73,439	97,671	111,018	115,277	119,238	121,468	121,988	111,306	115,728	107,802	98,054	99,487	1,292,476	42.57%
	YoY	-26.30%	-8.79%	-15.69%	-7.53%	-8.68%	-5.71%	-4.45%	7.24%	17.18%	14.03%	9.53%	22.07%	-1.95%	
	MoM	-9.89%	33.00%	13.67%	3.84%	3.44%	1.87%	0.43%	-8.76%	3.97%	-6.85%	-9.04%	1.46%		
測試代工 Testing OEM	2011	80,684	66,395	115,541	101,928	110,180	86,142	85,536	90,520	78,549	86,727	91,049	86,508	1,079,759	38.67%
	2012	95,751	101,493	117,892	115,043	125,708	133,085	146,328	129,752	126,422	145,324	116,998	99,770	1,453,566	47.88%
	YoY	18.67%	52.86%	2.03%	12.87%	14.09%	54.49%	71.07%	43.34%	60.95%	67.56%	28.50%	15.33%	34.62%	
	MoM	10.68%	6.00%	16.16%	-2.42%	9.27%	5.87%	9.95%	-11.33%	-2.57%	14.95%	-19.49%	-14.73%		
機器組裝等產品銷售 Own Product Sales	2011	29,417	49,923	58,053	47,824	46,144	35,405	48,591	28,812	19,012	14,722	5,740	10,482	394,125	14.12%
	2012	5,011	5,077	21,899	29,823	83,454	39,695	32,838	12,097	17,374	22,869	9,982	9,819	289,938	9.55%
	YoY	-82.97%	-89.83%	-62.28%	-37.64%	80.86%	12.12%	-32.42%	-58.01%	-8.62%	55.34%	73.90%	-6.33%	-26.44%	
	MoM	-52.19%	1.32%	331.34%	36.18%	179.83%	-52.43%	-17.27%	-63.16%	43.62%	31.63%	-56.35%	-1.63%		
營業收入淨額 (Unit:K) Sales Revenue (Net)	2011	209,742	223,404	305,271	274,414	286,890	250,372	261,800	223,126	196,322	195,986	186,312	178,488	2,792,127	100.0%
	2012	174,201	204,241	250,809	260,143	328,400	294,248	301,154	253,155	259,524	275,995	225,034	209,076	3,035,980	100.0%
	YoY	-16.95%	-8.58%	-17.84%	-5.20%	14.47%	17.52%	15.03%	13.46%	32.19%	40.82%	20.78%	17.14%	8.73%	
	MoM	-2.40%	17.24%	22.80%	3.72%	26.24%	-10.40%	2.35%	-15.94%	2.52%	6.35%	-18.46%	-7.09%		
營業收入淨額(系 計) Sales Revenue (Total)	2011	209,742	433,146	738,417	1,012,831	1,299,721	1,550,093	1,811,893	2,035,019	2,231,341	2,427,327	2,613,639	2,792,127	--	--
	2012	174,201	378,442	629,251	889,394	1,217,794	1,512,042	1,813,196	2,066,351	2,325,875	2,601,870	2,826,904	3,035,980		
	YoY	-16.95%	-12.63%	-14.78%	-12.19%	-6.30%	-2.45%	0.07%	1.54%	4.24%	7.19%	8.16%	8.73%		
	MoM														
總計代工成長 OEM Growth (Total)	2011	180,325	173,481	247,218	226,590	240,746	214,967	213,209	194,314	177,310	181,264	180,572	168,006	2,398,002	--
	2012	169,190	199,164	228,910	230,320	244,946	254,553	268,316	241,058	242,150	253,126	215,052	199,257	2,746,042	
	YoY	-6.17%	14.80%	-7.41%	1.65%	1.74%	18.41%	25.85%	24.06%	36.57%	39.64%	19.09%	18.60%	14.51%	
	MoM	0.70%	17.72%	14.94%	0.62%	6.35%	3.92%	5.41%	-10.16%	0.45%	4.53%	-15.04%	-7.34%		

# 2012&2013 Combine Monthly Revenue

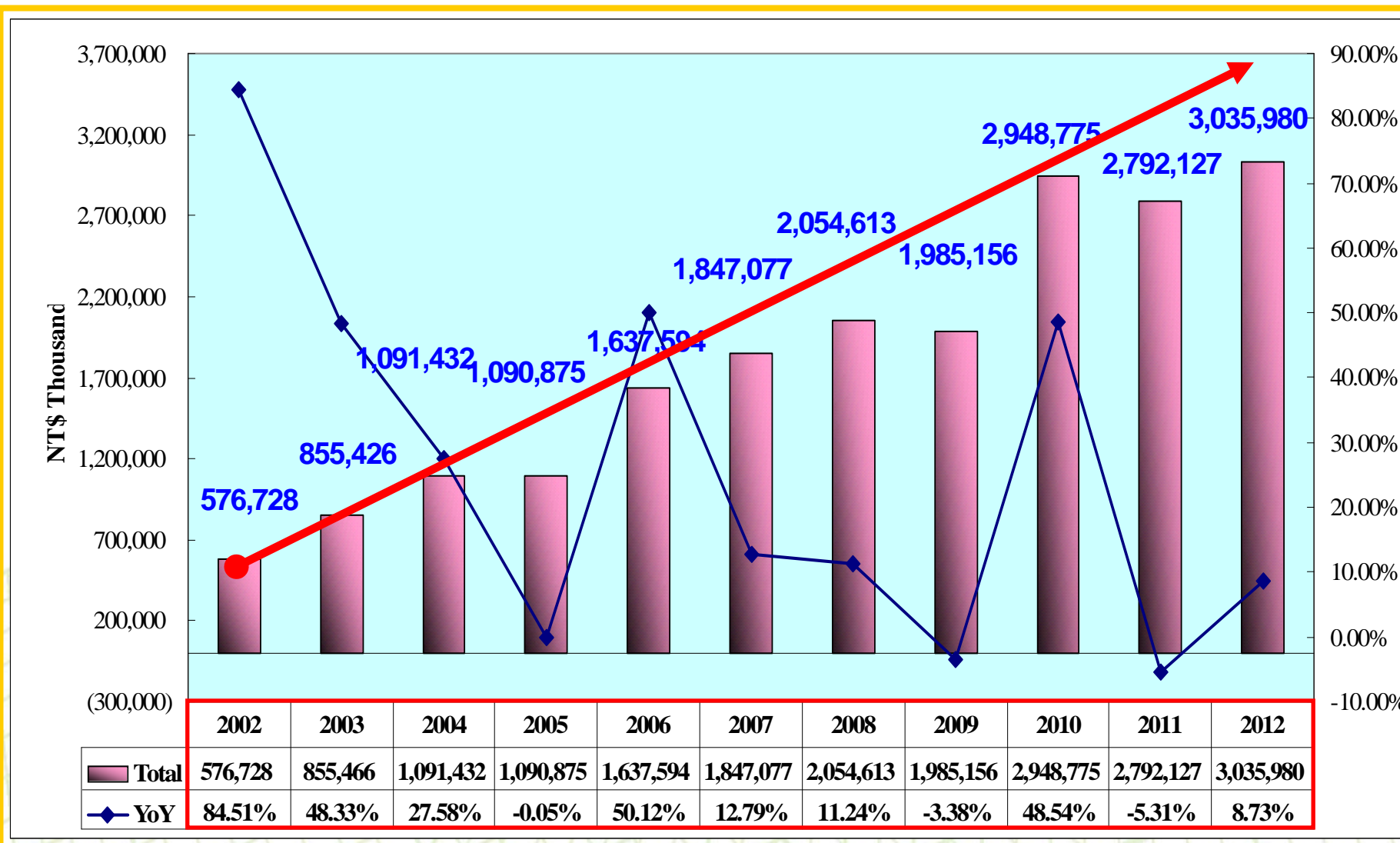
Company Profile  
NT\$(Thousand)

Business Item/Month	Jan.	Feb	Mar	Apr	May	Jun.	Jul.	Aug.	Sep	Oct.	Nov.	Dec.	Total	Share(%)		
切割挑檢代工 Sawing & Sorting OEM	2012	74,341	100,273	114,355	119,873	124,099	126,741	129,216	119,084	127,305	119,713	112,670	118,285	408,842	37.90%	
	2013	103,159	89,888	111,738	111,179									415,964	33.19%	
	YoY	38.76%	-10.36%	-2.29%	-7.25%										1.74%	
	MoM	-12.79%	-12.86%	24.31%	-0.50%											
測試代工 Testing OEM	2012	127,925	145,751	155,306	178,992	193,854	192,035	208,696	184,208	166,191	180,667	156,769	145,921	607,974	56.37%	
	2013	169,022	136,943	159,324	185,269									650,558	51.91%	
	YoY	32.13%	-6.04%	2.59%	3.51%										7.00%	
	MoM	15.83%	-18.98%	16.34%	16.28%											
機器組裝等產品銷售 Own Product Sales	2012	5,011	5,077	21,899	29,823	83,454	39,695	32,838	12,097	17,374	22,869	9,982	9,819	61,810	5.73%	
	2013	23,543	42,490	62,095	58,475									186,603	14.89%	
	YoY	369.83%	736.91%	183.55%	96.07%										201.90%	
	MoM	139.77%	139.77%	139.77%	139.77%											
營業收入淨額 (Unit: K) Sales Revenue (Net)	2012	207,277	251,101	291,560	328,688	401,407	358,471	370,750	315,389	310,870	317,121	279,421	274,025	1,078,626	100.0%	
	2013	295,724	269,321	333,157	354,923									1,253,125	100.0%	
	YoY	42.67%	7.26%	14.27%	7.98%										16.18%	
	MoM	7.92%	-8.93%	23.70%	6.53%											
營業收入淨額(系 計) Sales Revenue (Total)	2012	207,277	458,378	749,938	1,078,626	1,480,033	1,838,504	2,209,254	2,524,643	2,835,513	3,152,634	3,432,055	3,706,080	--	--	
	2013	295,724	565,045	898,202	1,253,125											
	YoY	42.67%	23.27%	19.77%	16.18%											
大陸整體業績 China (Total)	2012	33,076	46,860	40,751	68,545	73,007	64,223	69,596	62,234	51,346	47,254	54,387	64,949	189,232	--	
	2013	64,113	49,050	56,933	70,459									240,555		
	YoY	93.84%	4.67%	39.71%	2.79%										27.12%	
	MoM	-1.29%	-23.49%	16.07%	23.76%											



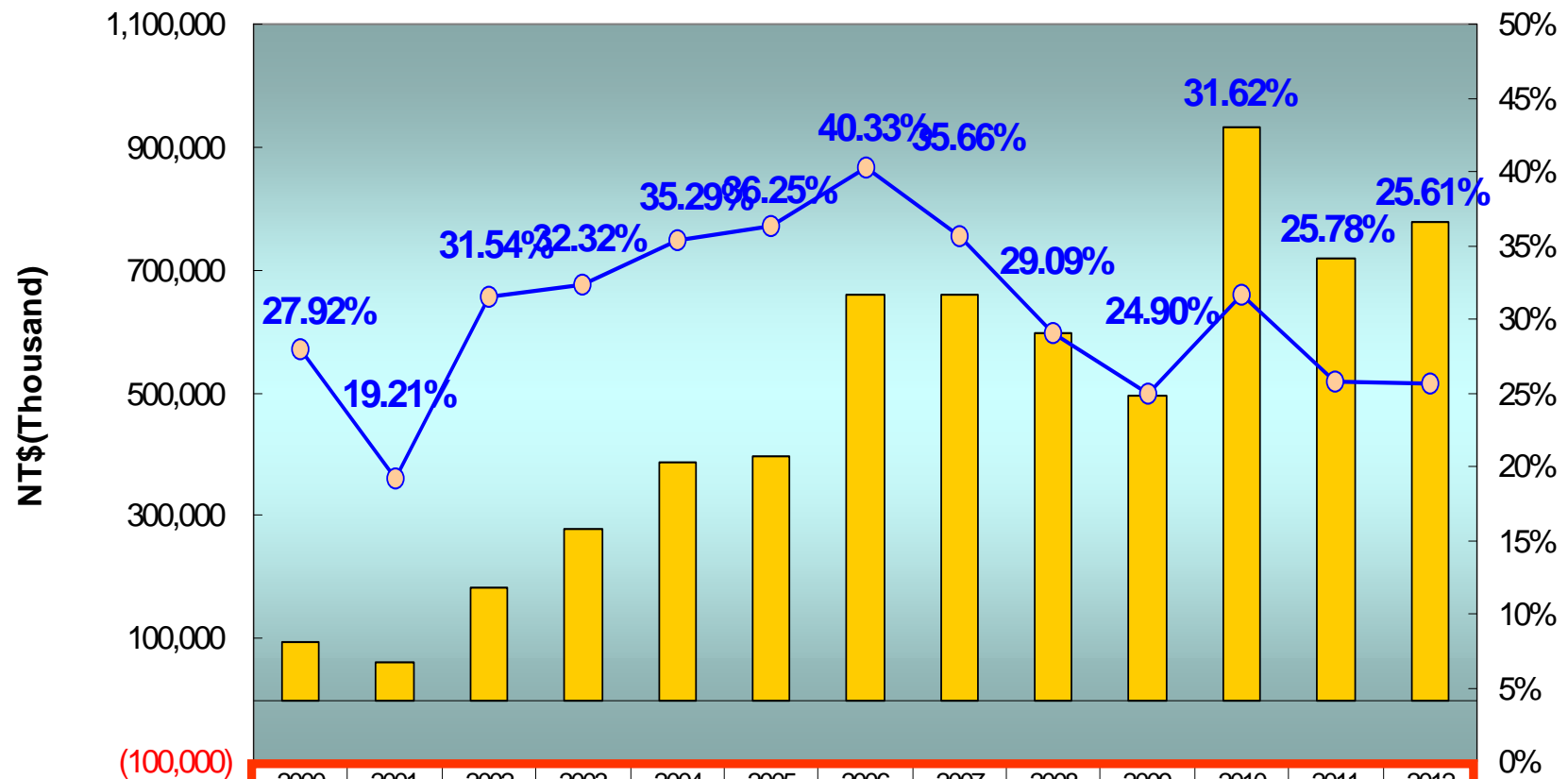
# 2002~2012 Revenue Growth

Company Profile



# 2000~2012 Operating Income

Company Profile

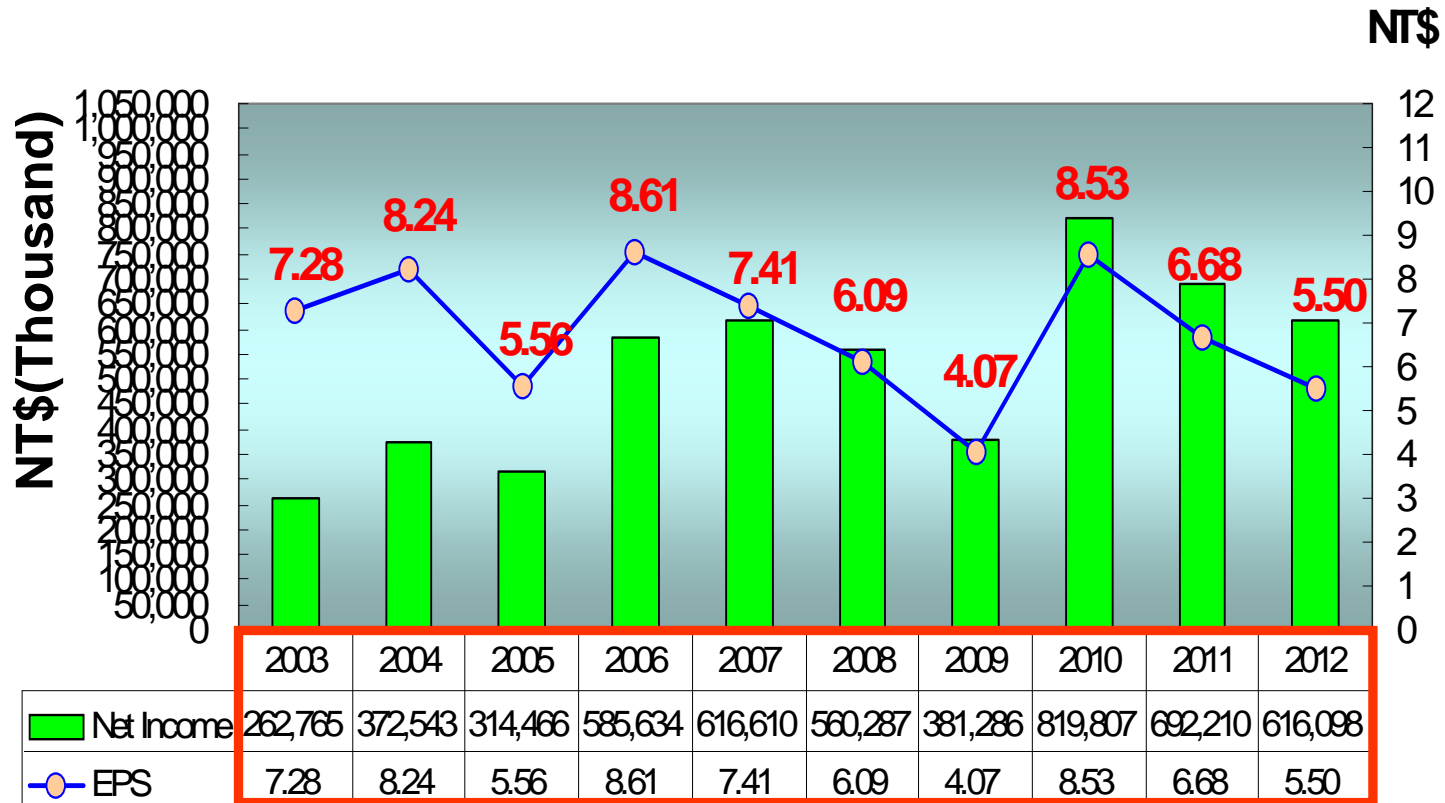


	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Operating Income	94,837	60,042	181,844	276,457	385,137	395,432	660,483	658,642	597,776	494,080	932,543	719,765	777,469
Operating Income Rate	27.92%	19.21%	31.54%	32.32%	35.29%	36.25%	40.33%	35.66%	29.09%	24.90%	31.62%	25.78%	25.61%



# Yearly Net Income & EPS

Company Profile



# Business Expansion Status(相關產業之狀況)

Company Profile

- 半導體及光電切挑代工服務：進入2013年母公司4月份業績、MOM成長微降-1.9%、符合預期、因此將持續追蹤、另LED在新的應用提昇下樂觀預期在LED挑檢已擴充之產能應可適時提供市場成長之需求、相信可挹助公司之營收成長。
- IC測試系統開發：2006年3月份與美商安捷倫(Agilent)科技(新公司名稱: Verigy惠瑞捷)簽訂IC測試系統技術合作、除了2006年已陸續支付久元簽約金而達成階段性目標、因而提昇公司營收和獲利。另已在雙方合作互動下提昇測試機技術層次及銷售量、更上層樓。
- CIS、CCM、LED後段生產設備及AOI設備開發：成功開發完成CIS(CMOS影像感測系統)、具備高速影像處理及完整電性測試之解決方案、並導入代工服務、挹助營收。自行開發之CCM(影像感測模組測試設備)、LED後段生產設備及AOI(自動光學檢測系統)等設備、因應市場需求將擴展銷售、AOI設備研發係以解決半導體及光電等產業在目檢之視覺盲點並可大幅節省人力、並已將光電技術結合影像分析等與自動化設備設計、成功研發出各類型外觀檢測機。  
進入4月業績、YOY成長96.1%、累計1-4月YOY成長219%並創歷史新高、超出預期因此將持續追蹤、相信在持續開發新產品及功能提昇下、展望未來應可持續挹助業績成長之動力。
- 半導體代工服務：進入2013年4月份業績MOM成長21.1%、累計1-4業績YOY成長11.9%並創歷史之新高超出預期、因此將持續追蹤、而YTEC在持續開發新產品與互補及平衡的產品線發酵下(如LCD,CIS,RF...etc)、展望未來應可持續挹助業績成長之動力。



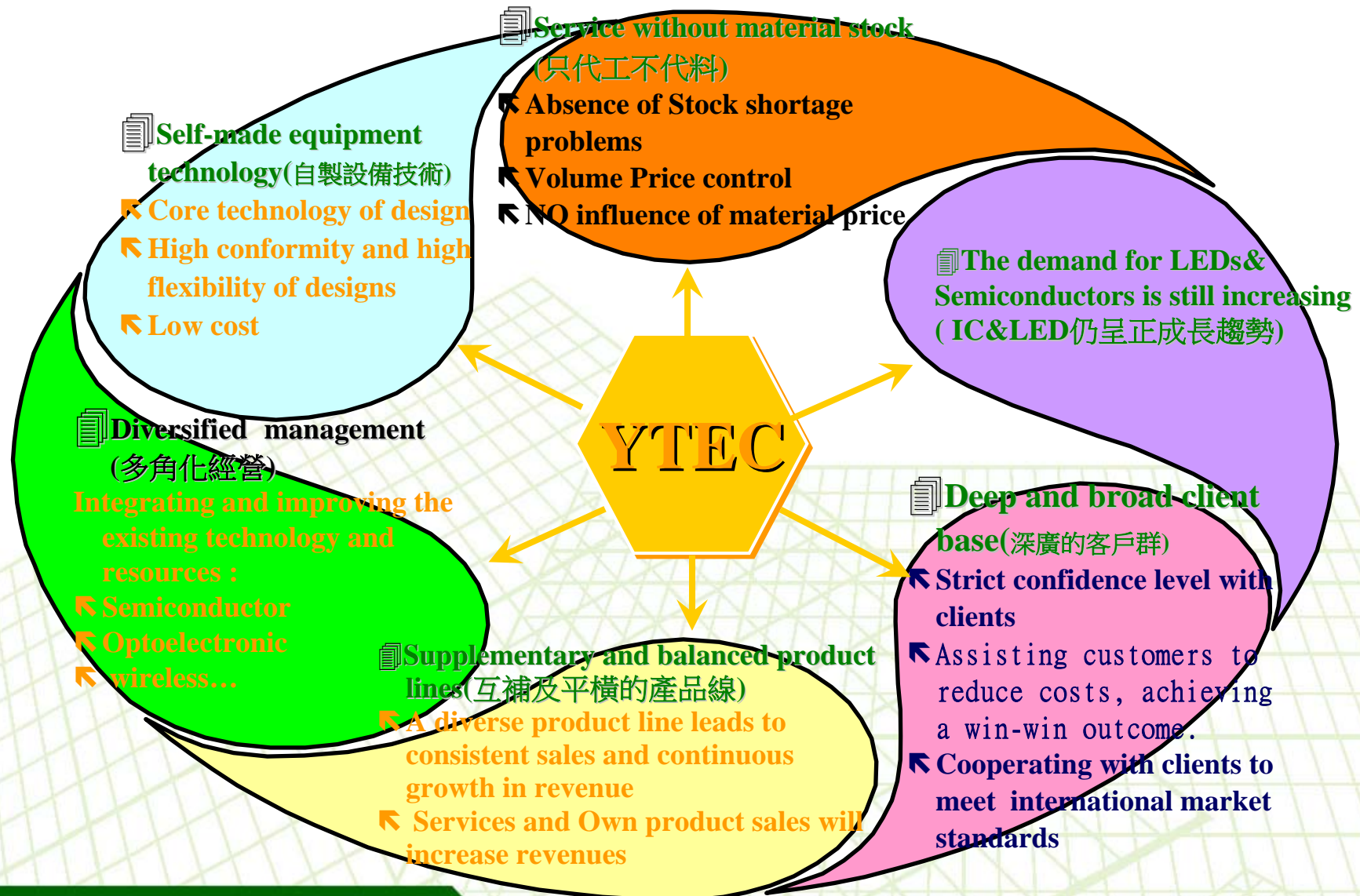
# Share payout composition and history

Company Profile

Year	95年度 (2006)	96年度 (2007)	97年度 (2008)	98年度 (2009)	99年度 (2010)	100年度 (2011)	101年度 (2012)	102年度 (2013)
	配94年度 profit(2005)	配95年度 Profit(2006)	配96年度 Profit(2007)	配97年度 Profit(2008)	配98年度 Profit(2009)	配99年度 Profit(2010)	配100年度 Profit(2011)	配101年度 Profit(2012)
Cash(NTD)	\$2.61	\$4.00	\$4.00	\$3.00	\$3.00	\$4.671	\$5.238	\$4.750
Free Pair stock of	\$0.87	\$1.00	\$0.50	\$0.10	\$0.10			\$0.10
Stock Capital reserve fund	--	--	--	--	--	\$0.093	\$0.095	--
EPS(NID)	\$5.56	\$8.61	\$7.41	\$6.09	\$4.07	\$8.53	\$6.68	\$5.50

# Company competitive advantages

Company Profile





# 公司願景 **Company Mission**

*Company Profile*

著眼於國內外市場的開拓，讓久元成為立足台灣的整合性後段IC及LED代工服務廠，並朝放眼世界的自有產品、自有品牌邁進。

Based on the domestic and international marketing development, YTEC has gotten a foothold as an integrated back-end IC&LED OEM factory. YTEC moves forward, with it's own products, and Own Bench Marks.



Q & A

*Company Profile*

Thank you very much

