

Welcome

久元電子公司簡介



Welcome



YoungTek Electronics Corp.

股票代號: 6261

Brief Introduction

Date : 3 September, 2008



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Brief Introduction

久元電子公司簡介

Found Time : 1991/July

Chairman : Bily Wang

President of Service Group : Jeff Chang

President of Own Product Group : Glen Chen

Employees : 835

Capital : NTD 920 million (USD 29.3 million)

Address : **Plant 1 (1F~5F)** : Special & substrate sawing

Plant 2 (B1~6F) : LED sorting

An Ping Plant (3F) : LED sorting

Li Hsin Plant (2F~3F) : LED back-end turn-key service

King Sun Plant (7F) : Wafer grinding, sawing & die-sorting

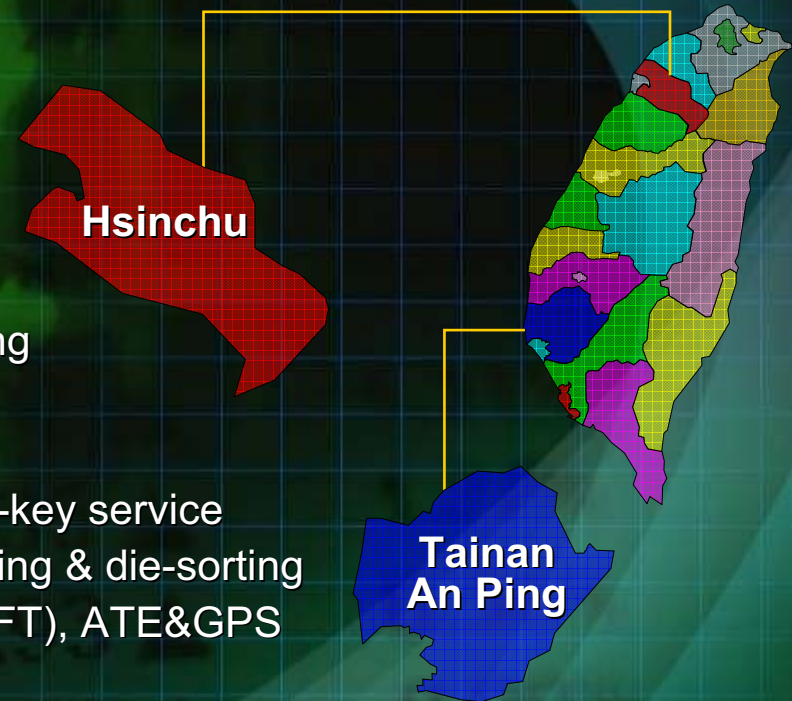
SBIP Plant (3~4F、7F) : IC testing (CP & FT), ATE&GPS

Business Items :

1. Semiconductor and LED OEMs: Wafer sawing, grinding, sorting and IC testing, LED testing, laser scribing, sorting and substrate sawing.

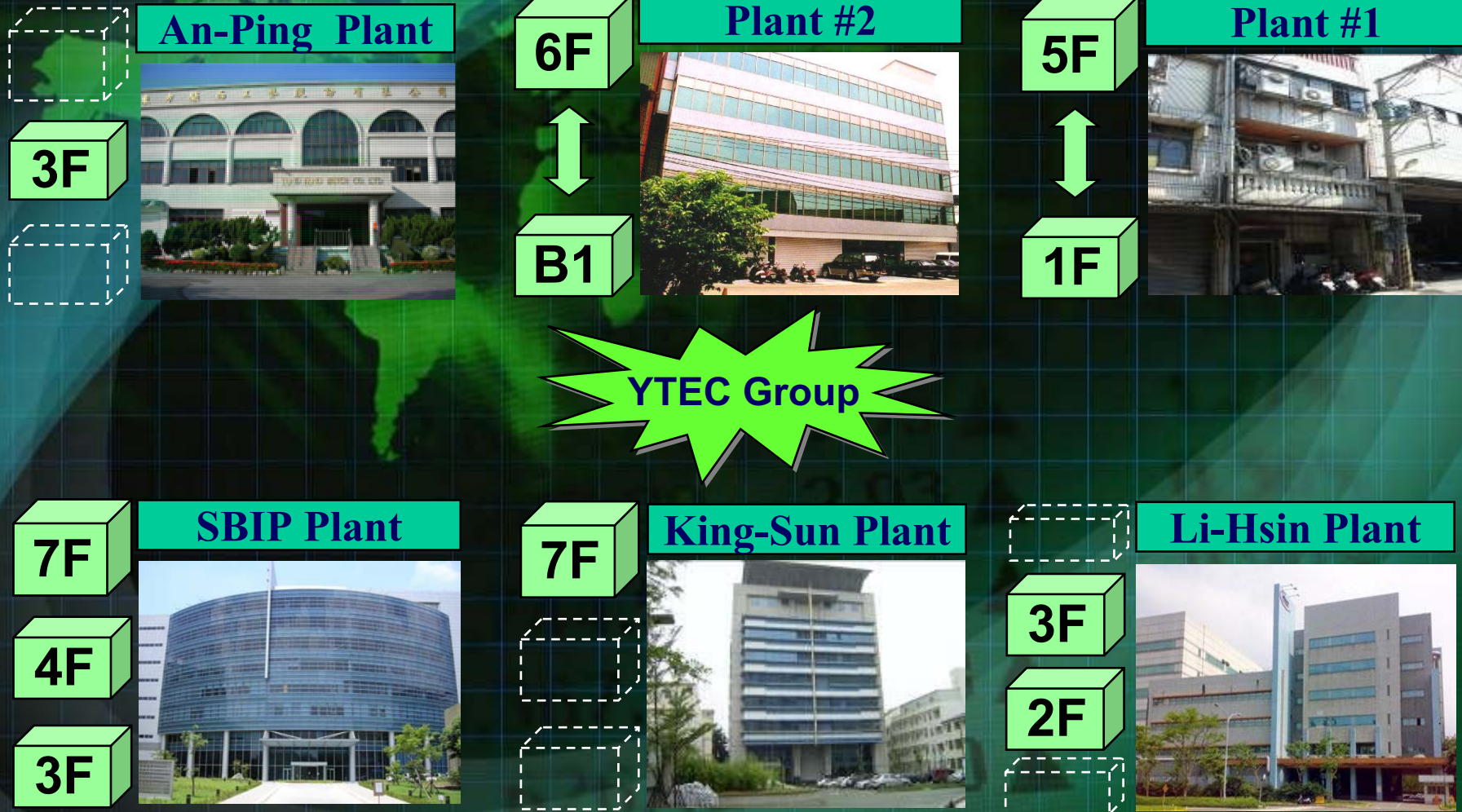
2. Design, manufacture and sales of semiconductor equipments: CIS/CCM equipments, AOI system, full-function IC tester, logic IC tester, analog IC tester, **LED** tester, prober and sorter.

3. Design, manufacture and sales of GPS: GPS receiver, module, tracker, locator and



Factory Overview

久元電子公司簡介



Company Milestone

久元電子公司簡介

- 1991/July. YTEC was founded and the capital is NTD \$ 5 million.
- 1998/Oct. Developed logic tester (Goblin) with 5 MHz/40 pins.
- 2000/Mar. Achieved ISO 9001 certification.
- 2000/July. Full-function IC tester was verified by industry agency with predominant product development project.
- 2002/Aug. SEC (Securities and Exchange Commission) approved YTEC to public stock.
- 2003/Nov. LED OEM service was established.
- 2003/Dec. Obtain OTC certification.
- 2004/Mar. Got approval to establish a branch in Hsin chu SBIP.
- 2004/Mar. Listed on Taiwan stock exchange. (Stock No.: 6261)
- 2004/Dec. GPS BU was established.
- 2006/Apr. Developed King Sun plant for wafer grinding & sawing.
- 2006/Nov. Develop Zhu Dong plant for LED test & sorting.
- 2006/Dec. Achieved ISO 14001 certification & OHSAS 18001.
- 2007/Jul. Developed Tainan An Ping plant for LED sorting.
- 2008/May Develop Li Hsin plant for LED test & sorting.

Company Management Concept

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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。

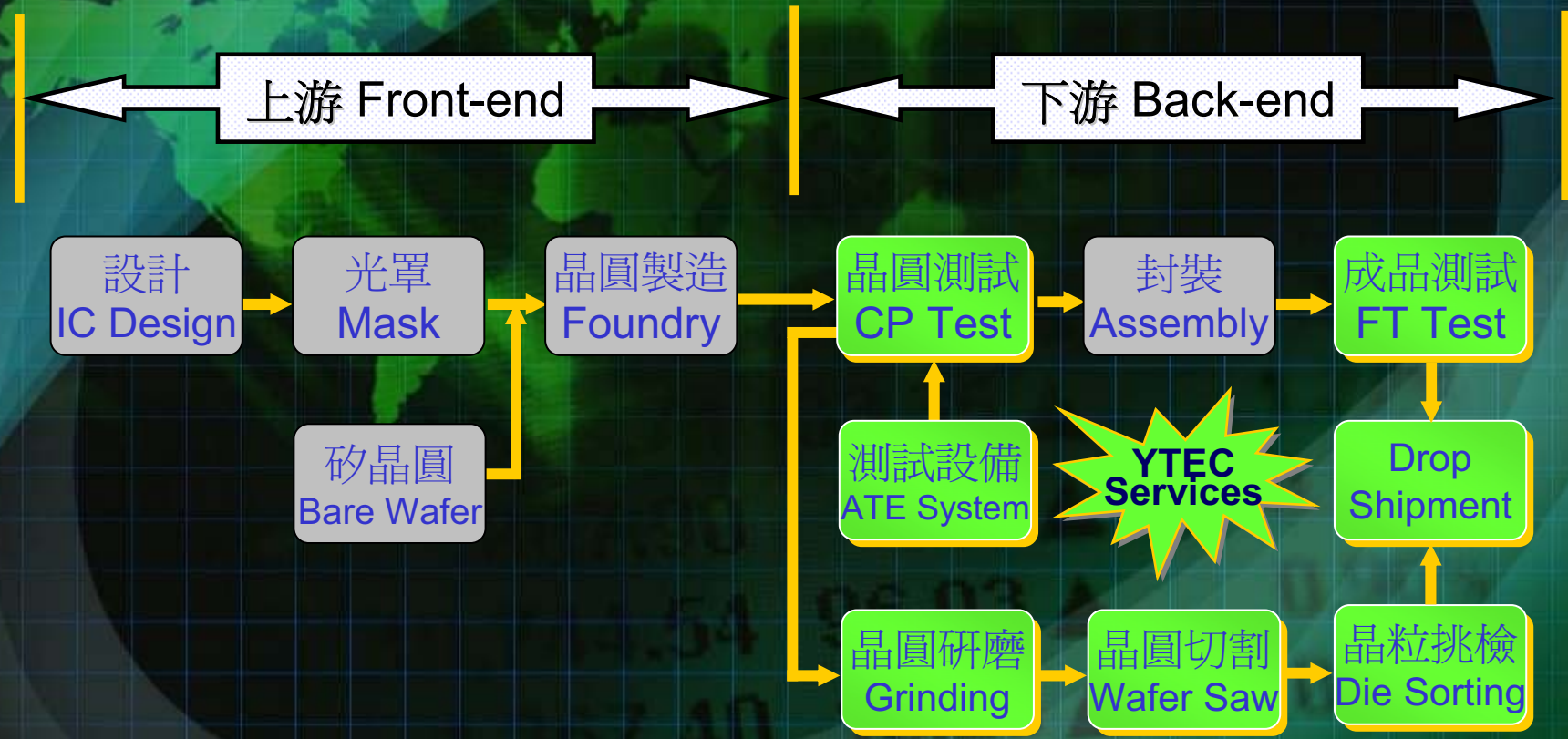
A successful person will find the way to overcome a challenge

Loser finds excuses.



IC OEM Services

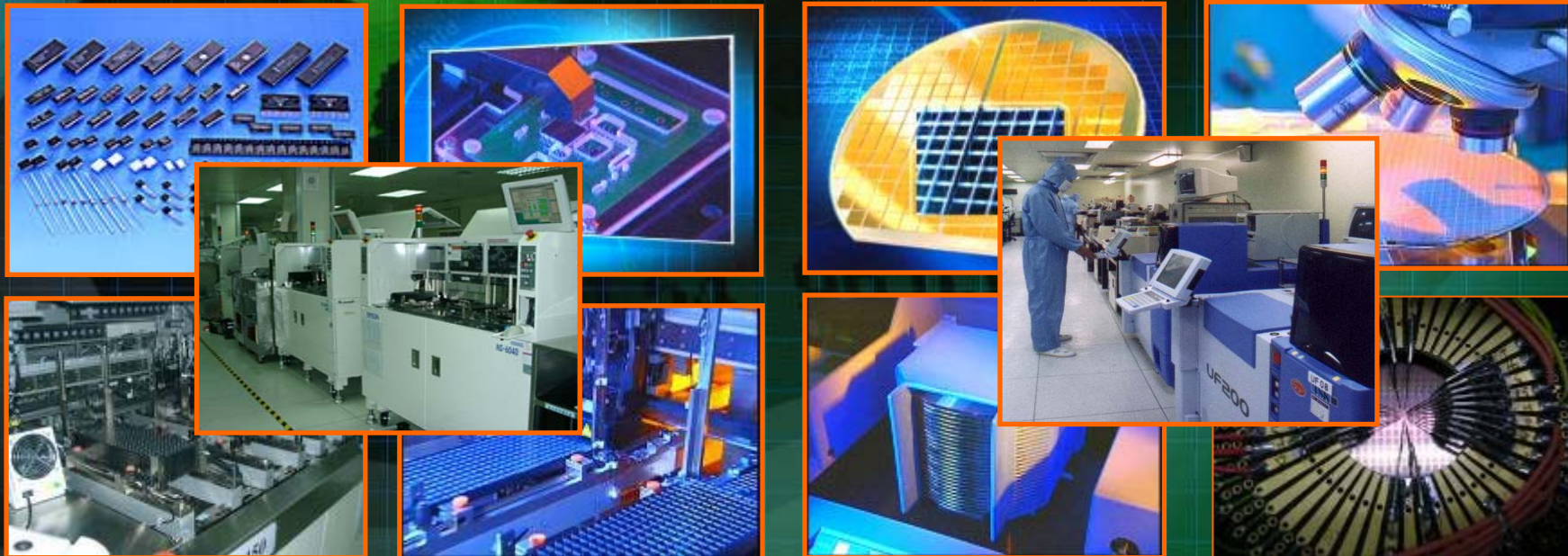
久元電子公司簡介



專業測試代工服務(IC Testing OEM)

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- ❑ **4"~8" 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, PnP Service)

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- Service Items:
Wafer back-side grinding, wafer sawing, chip pick & place service for Consumer and gold bump products.

Process	Back-side Grinding	Sawing	Pick & Place
Environment			
Capability	4~12" Wafer <input type="checkbox"/> Mass production : grind to 50um <input type="checkbox"/> Engineering : grind to 20um	4~12" Wafer <input type="checkbox"/> Die size scale 25.5 : 1 Scribe line under 36um for mass production. <input type="checkbox"/> Chip back-side chipping under 36um for mass production.	<input type="checkbox"/> Die size scale 25.5 : 1 for mass production.

LED OEM Services

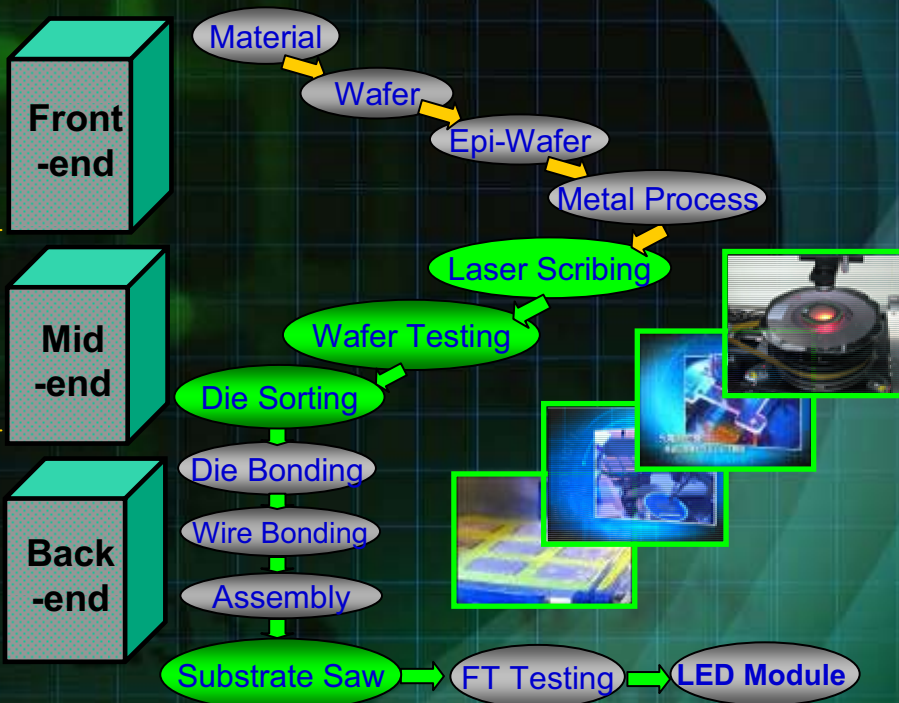
久元電子公司簡介

Front-end Epi  **Epistar**、Hugaopto、**Forepi**、Vpec、**Arima**、Tekcore、**Nan Ya**

Mid-end Chip  Epistar、Opto Tech、Hugaopto、Arima、TynTek、Forepi、Liteon

Back-end Assembly  **Harvatek**、Unitpoto、KingBright、Bright LED、LEDTech、Taiwanosis、Everlight、Liteon、Para Light

Application

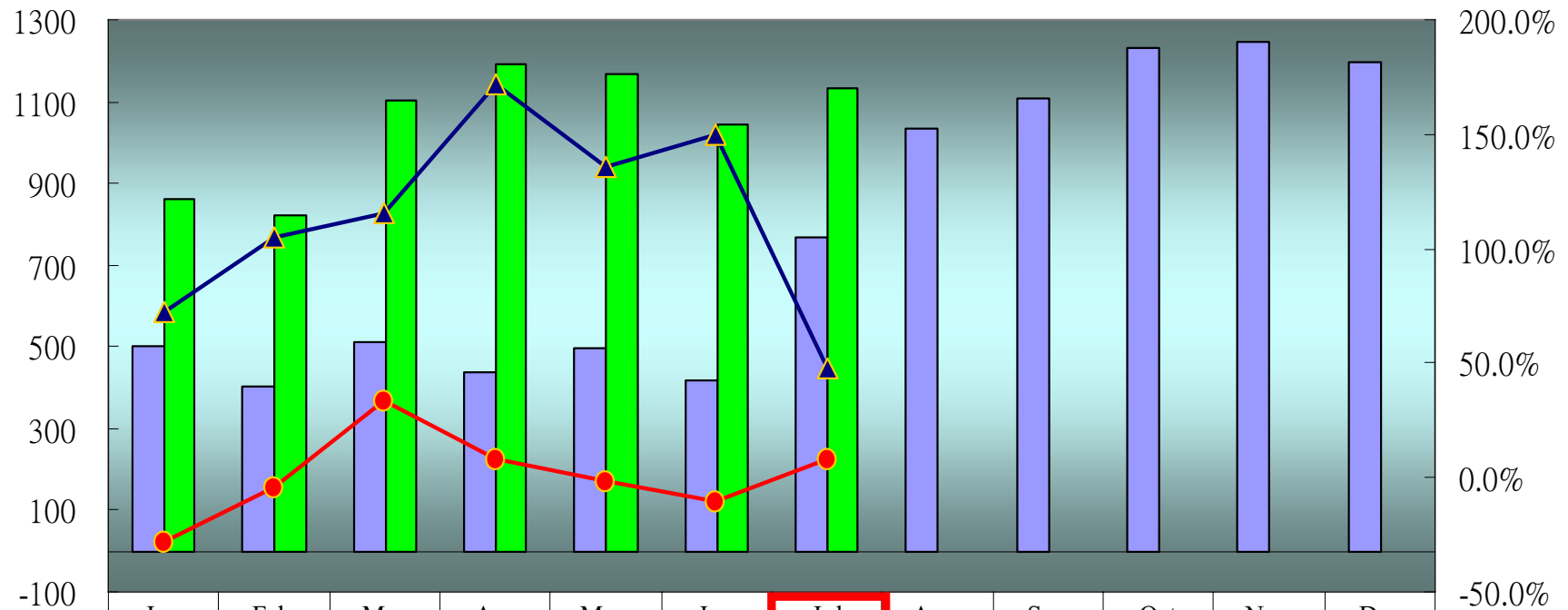



- **Front-end Product** : Wafer、Epi-Wafer, For example GaAs、GaAsP、AlGaAs、AlGaInP
- **Mid-end Product** : Laser Scribing、Wafer Testing and Pick & Place Die-sorting
- **Back-end Product** : Lamp、Display、SMD、IR transmission module、Optical Communication product、Substrate Saw

2007/2008 LED Sorting Output

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Unit(KK)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007	499	401	511	438	496	419	766	1,033	1,107	1,229	1,244	1,197
2008	862	822	1101	1190	1168	1045	1131					
YoY	72.7%	105.0%	115.5%	171.7%	135.5%	149.4%	47.7%					
MoM	-28.0%	-4.6%	33.9%	8.1%	-1.8%	-10.5%	8.2%					

Own Product Development

Own Product Development

久元電子公司簡報

☐ Scud-1A 512C full-function IC Tester

☐ CIS (CMOS Image Sensor System)

CMOS影像感測系統

☐ HV LED Tester

☐ CCM (CMOS/Compact Camera Module)

影像感測模組測試設備

☐ AOI (Auto optical Inspection)

自動光學檢測系統

☐ GPS (Global Positioning System) 全球衛星定位系統

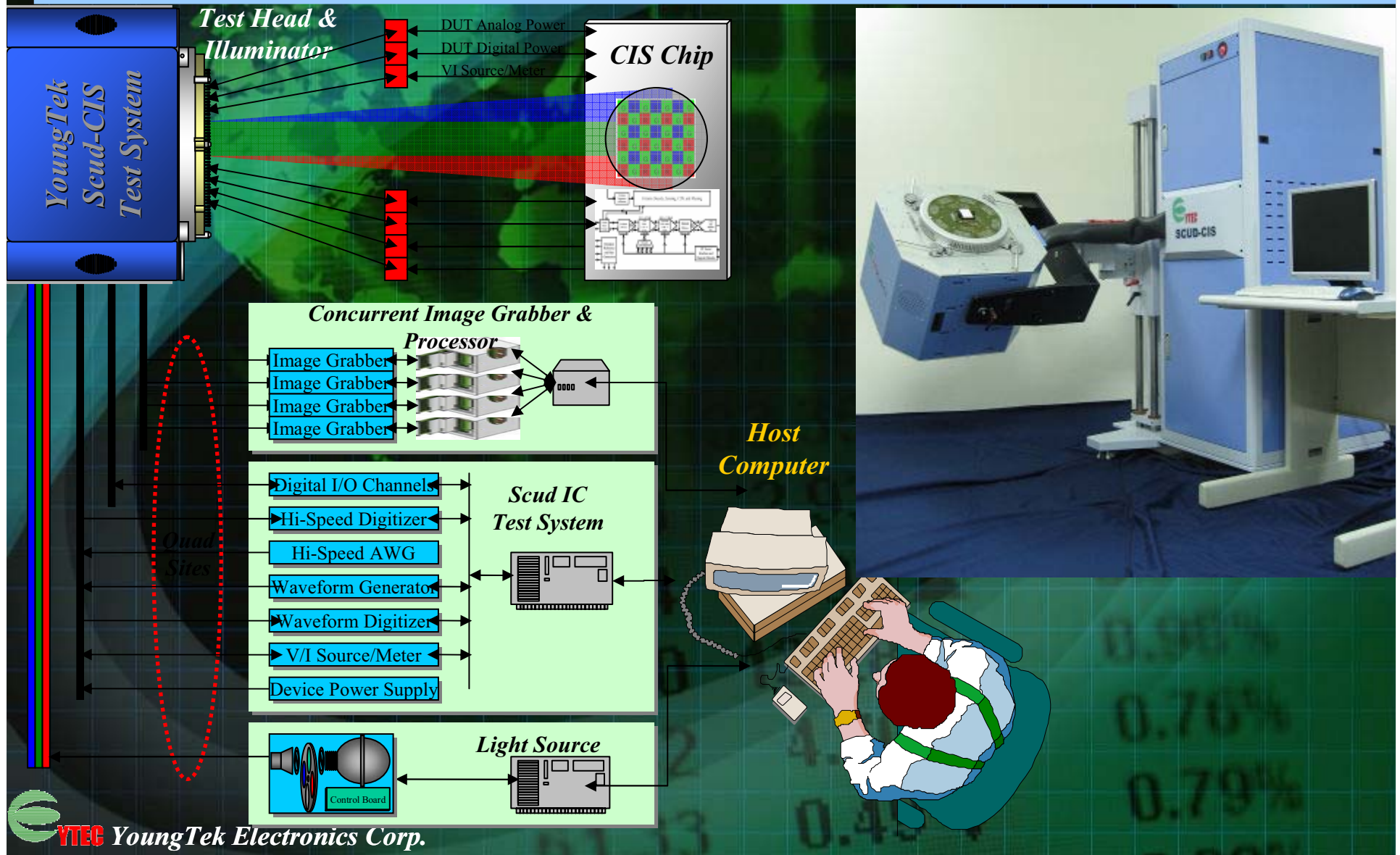
Scud-1A IC Tester System Environment

The screenshot displays a complex software environment for testing the Scud-1A IC. The interface is divided into several functional areas:

- Code Editor (Top Left):** Shows Verilog HDL code for the test program, including logic for setting up the IC, applying test patterns, and measuring results.
- Test Program (Top Right):** A window titled "TEST PROGRAM ZIP2" showing test parameters and a list of test items (e.g., 0501, 4040, 8010, etc.).
- PinScanForm (Bottom Center):** A table for pin configuration and measurement data. The table is as follows:

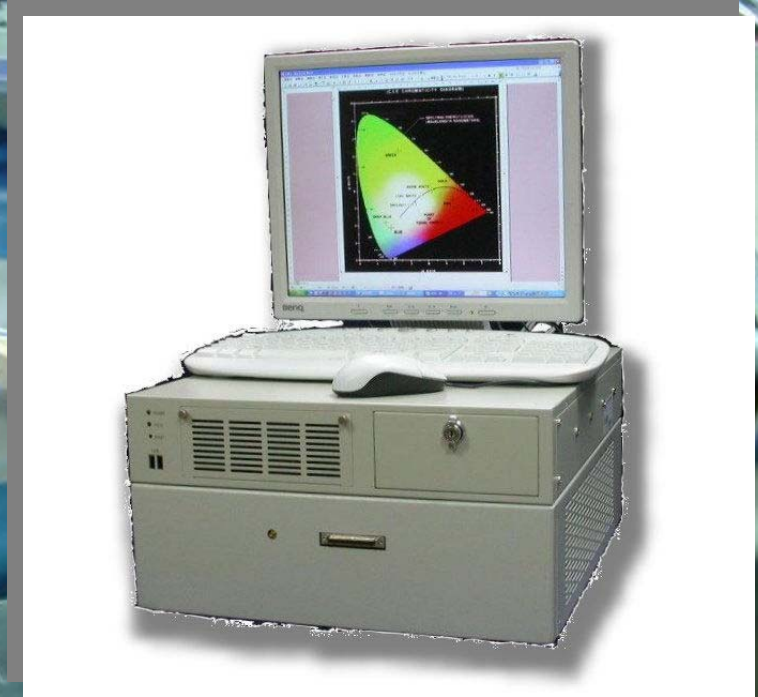
Pin	Group	Dir	Chn	Vol	Ch Level	Cl Level	Dh Level	DI Level	PreDelay	Pm/Relay	Mm/Ph	AppIn
-CLR	1	2	6.084 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
A	3	6	6.091 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
B	4	8	6.098 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
C	5	10	6.085 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
D	6	12	6.090 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
BP	7	14	6.093 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
LOAD	9	15	6.086 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
BIT	10	13	6.090 V	2.500 V	2.500 V	3.000 V	0.000 V	ON				
- Waveform Analyzer (Bottom Left):** Displays multiple digital waveforms for different pins, showing signal transitions over time.
- PinMap (Top Right):** A circular diagram showing the physical layout of the IC pins, with colors indicating different test conditions or results.
- PinScanForm (Middle Right):** A detailed view of the pin configuration, showing the assignment of pins to test groups and the resulting test results.
- Test Results (Bottom Right):** A window showing the overall test results, including the number of tests passed and failed.

CIS(CMOS Image Sensor) IC Tester

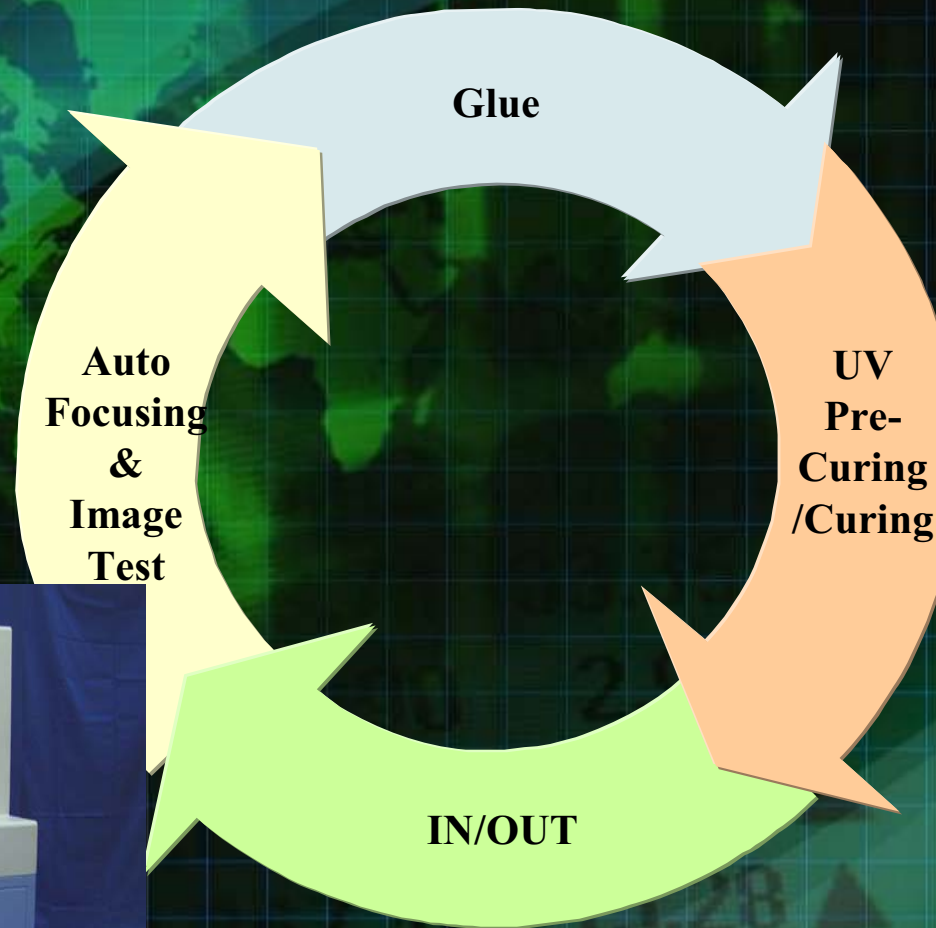


HV LED Tester

□ YTSD01 → YTSD02 → YTEC 8000 HV LED Tester



CCM(CMOS/Compact Camera Module)



CCM Test System
YT3200

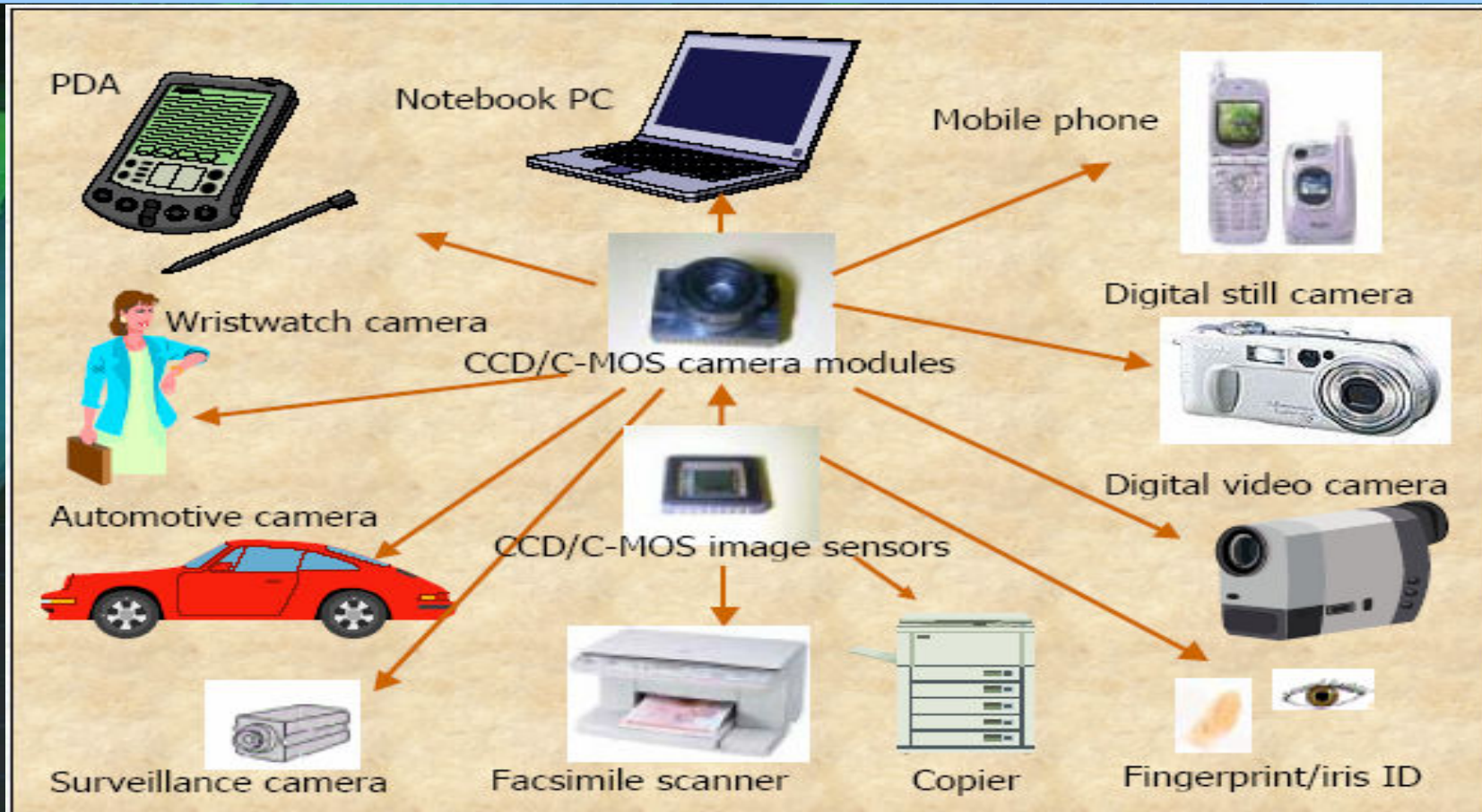


CCM Test System
YT3100



Operator

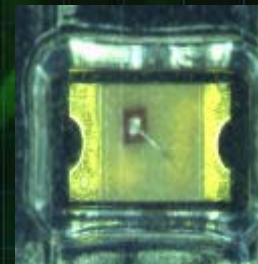
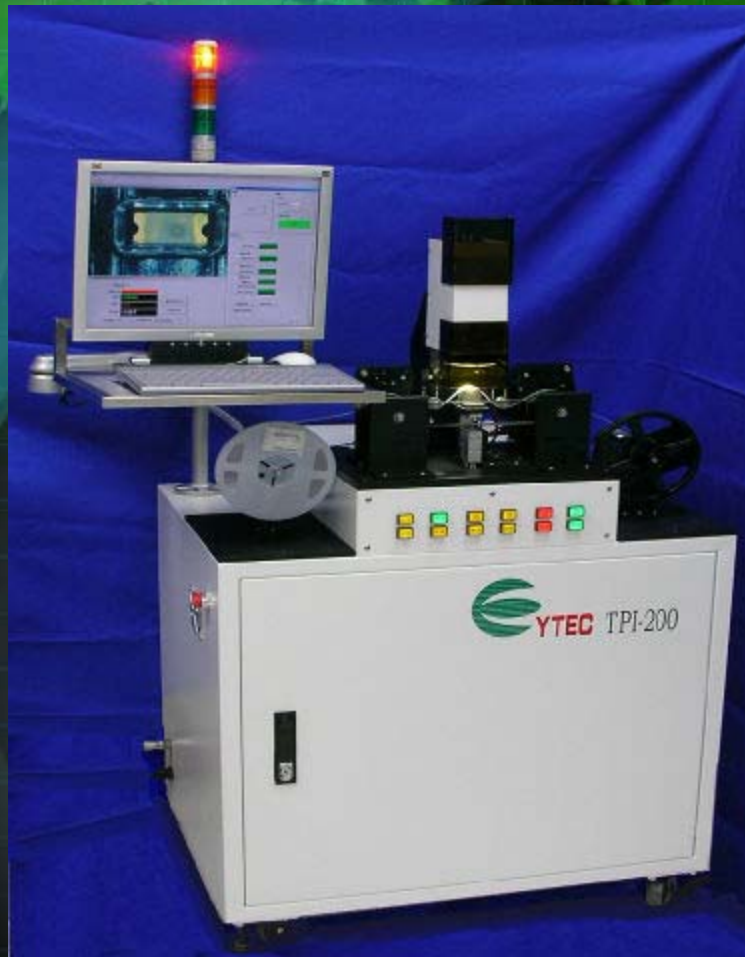
CIS IC /CCM Application



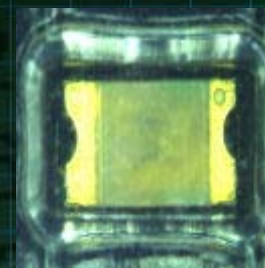
Consumer -, communication -, security management -, QA -, Automotive -, and Personal management tools...etc are using the CIS IC in our daily lives.

Auto Optical Inspection (自動光學檢測系統)

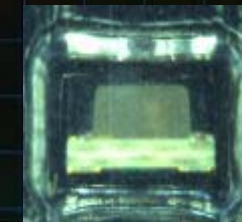
YT 2200 REEL TYPE COMPONENTS
AOI system



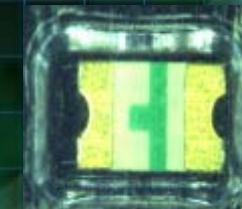
Polarity inverse package



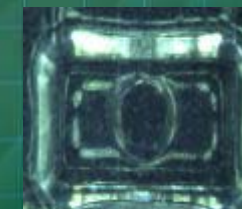
Mixed package



Tilt



Over turn

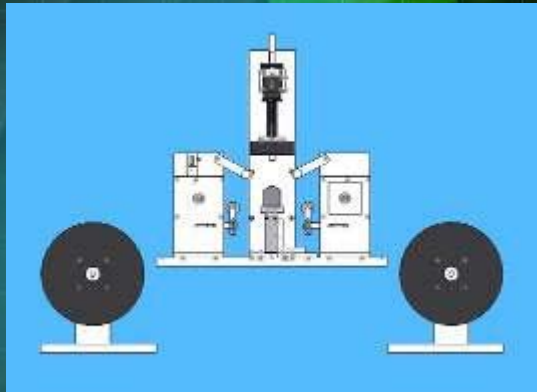


Empty

Auto Optical Inspection Application

Reel type taped products:

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



TPI-200 platform



GPS (全球衛星定位系統) Products

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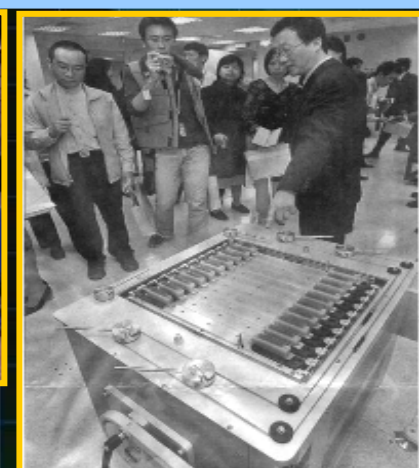
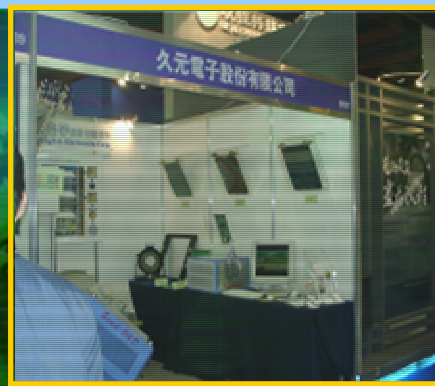


- GPS Engine Board: Low Power & Smaller Dimensions
- Tiny GPS Smart Antenna (G-mouse)
- Bluetooth GPS Receiver
- GPS Active Antenna
- Customized Products
- IVNS: In-Vehicle Navigation Systems



Promotion History

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南港系統晶片設計園區開幕
▲ 南港系統晶片設計園區開幕
▲ 南港系統晶片設計園區開幕
▲ 南港系統晶片設計園區開幕

SEMICON® in Taiwan/China/Germany/USA 2001~2007

- 2001/09 Full function IC tester joined the SEMICON Taiwan 2001 Exhibition in Taipei
- 2002/03 Provided the SoC Test concept by joining the SEMICON China 2002 Exhibition in Shanghai
- 2002/04 Full function IC Tester joined the 1st Taiwan Semiconductor Equipment Exhibition
- 2002/09 Scud IC joined the SEMICON Taiwan 2002 Exhibition
- 2003/09 Scud-256C&512D IC joined the SEMICON Taiwan 2003 Exhibition
- 2004/03 IC test system joined the SEMICON China 2004 Exhibition in Shanghai
- 2004/09 Scud-1A & CIS IC tester joined the SEMICON Taiwan 2004 Exhibition in Taipei
- 2005/03 IC test system joined the SEMICON China 2005 Exhibition in Shanghai
- 2005/03 GPS product joined the CeBIT show in Germany for European market promotion
- 2007/01 GPS product joined the CeBIT show in Las Vegas for U.S. and Global market promotion
- 2007/03 GPS product joined the CeBIT show in Germany for European market promotion.
- 2007/04 GPS product joined the Taipei vehicle uses the electronic exhibition
- 2008/06 AOI joined the OPTO Taiwan 2008 Exhibition in Taipei



Revenue Growth & Business Expansion Review

2007&2008 Monthly Revenue

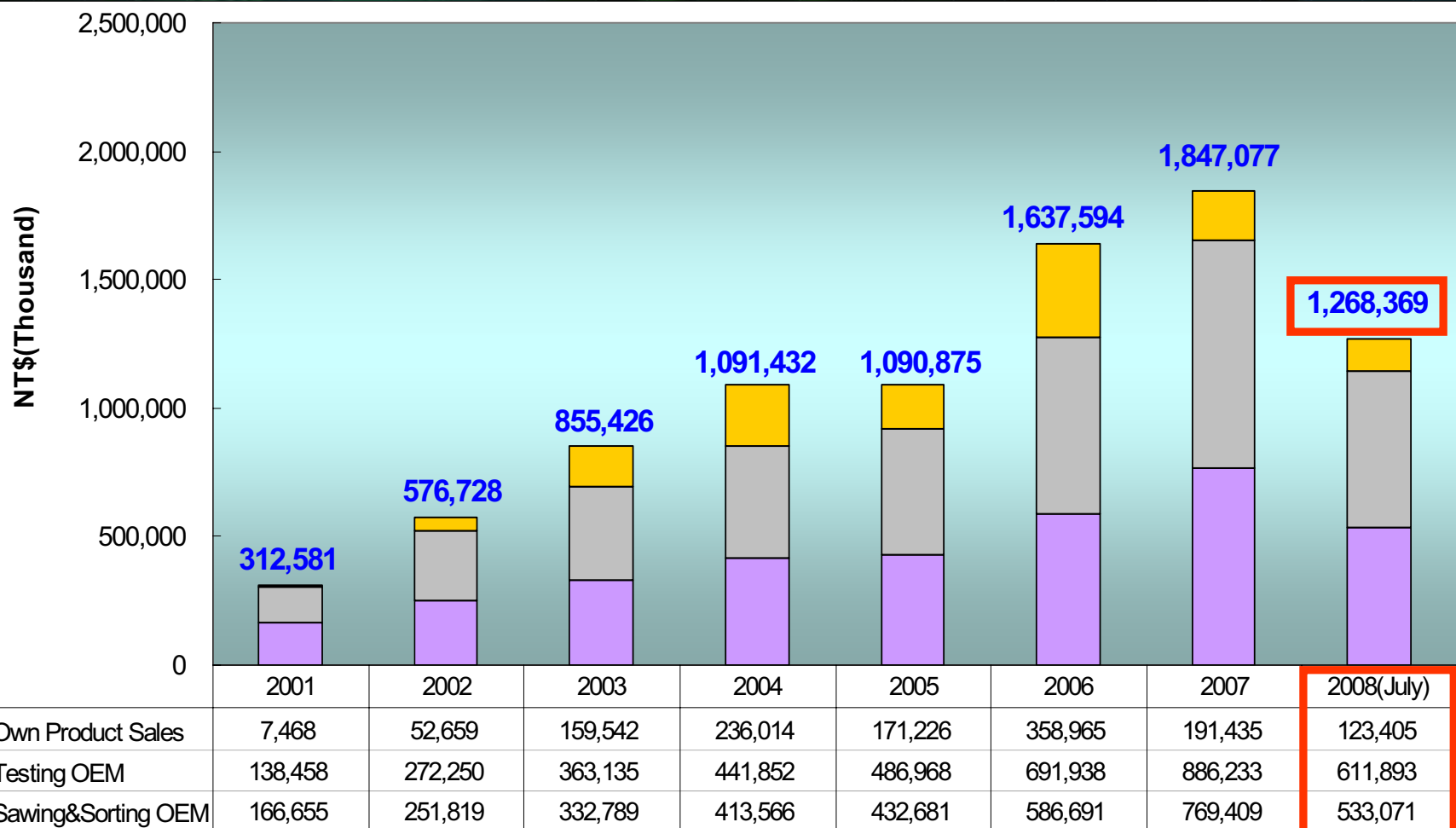
久元電子公司簡報

NT\$(Thousand)

Business Item/Month	Jan.	Feb	Mar	Apr	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total (July)	比重%	
切割挑檢代工 Sawing & Sorting OEM	2007	48,079	40,951	56,036	56,131	55,749	55,632	69,403	77,443	76,803	83,443	76,102	73,637	381,981	41.82%
	2008	69,026	62,166	81,872	78,021	80,642	77,575	83,769						533,071	42.03%
	YoY	43.57%	51.81%	46.11%	39.00%	44.65%	39.44%	20.70%						39.55%	--
	MoM	-6.26%	-9.94%	31.70%	-4.70%	3.36%	-3.80%	7.98%						--	--
測試代工 Testing OEM	2007	68,955	42,345	63,800	62,094	72,758	67,499	83,930	92,522	85,319	98,774	79,363	68,874	461,381	50.51%
	2008	72,193	73,211	88,159	94,482	95,237	92,331	96,280						611,893	48.24%
	YoY	4.70%	72.89%	38.18%	52.16%	30.90%	36.79%	14.71%						32.62%	--
	MoM	4.82%	1.41%	20.42%	7.17%	0.80%	-3.05%	4.28%						--	--
機器組裝等產品銷售 Own Product Sales	2007	7,848	23,419	10,947	7,867	7,329	7,845	4,786	10,120	11,535	12,664	52,442	34,633	70,041	7.67%
	2008	8,562	4,187	9,416	24,083	59,551	8,607	8,999						123,405	9.73%
	YoY	9.10%	-82.12%	-13.99%	206.13%	712.54%	9.71%	88.03%						76.19%	--
	MoM	-75.28%	-51.10%	124.89%	155.77%	147.27%	-85.55%	4.55%						--	--
營業收入淨額 (Unit:K) Sales Revenue (Net)	2007	124,882	106,715	130,783	126,092	135,836	130,976	158,119	180,085	173,657	194,881	207,907	177,144	913,403	100.0%
	2008	149,781	139,564	179,447	196,586	235,430	178,513	189,048						1,268,369	100.0%
	YoY	19.94%	30.78%	37.21%	55.91%	73.32%	36.29%	19.56%						38.86%	--
	MoM	-15.45%	-6.82%	28.58%	9.55%	19.76%	-24.18%	5.90%						--	--
營業收入淨額(累計) Sales Revenue (Total)	2007	124,882	231,597	362,380	488,472	624,308	755,284	913,403	1,093,488	1,267,145	1,462,026	1,669,933	1,847,077	--	--
	2008	149,781	289,345	468,792	665,378	900,808	1,079,321	1,268,369						--	--
	YoY	19.94%	24.93%	29.36%	36.22%	44.29%	42.90%	38.86%						--	--
總計代工成長 OEM Growth (Total)	2007	117,034	83,296	119,836	118,225	128,507	123,131	153,333	169,965	162,122	182,217	155,465	142,511	843,362	--
	2008	141,219	135,377	170,031	172,503	175,879	169,906	180,049						1,144,964	--
	YoY	20.66%	62.53%	41.89%	45.91%	36.86%	37.99%	17.42%						35.76%	--
	MoM	-0.91%	-4.14%	25.60%	1.45%	1.96%	-3.40%	5.97%						--	--

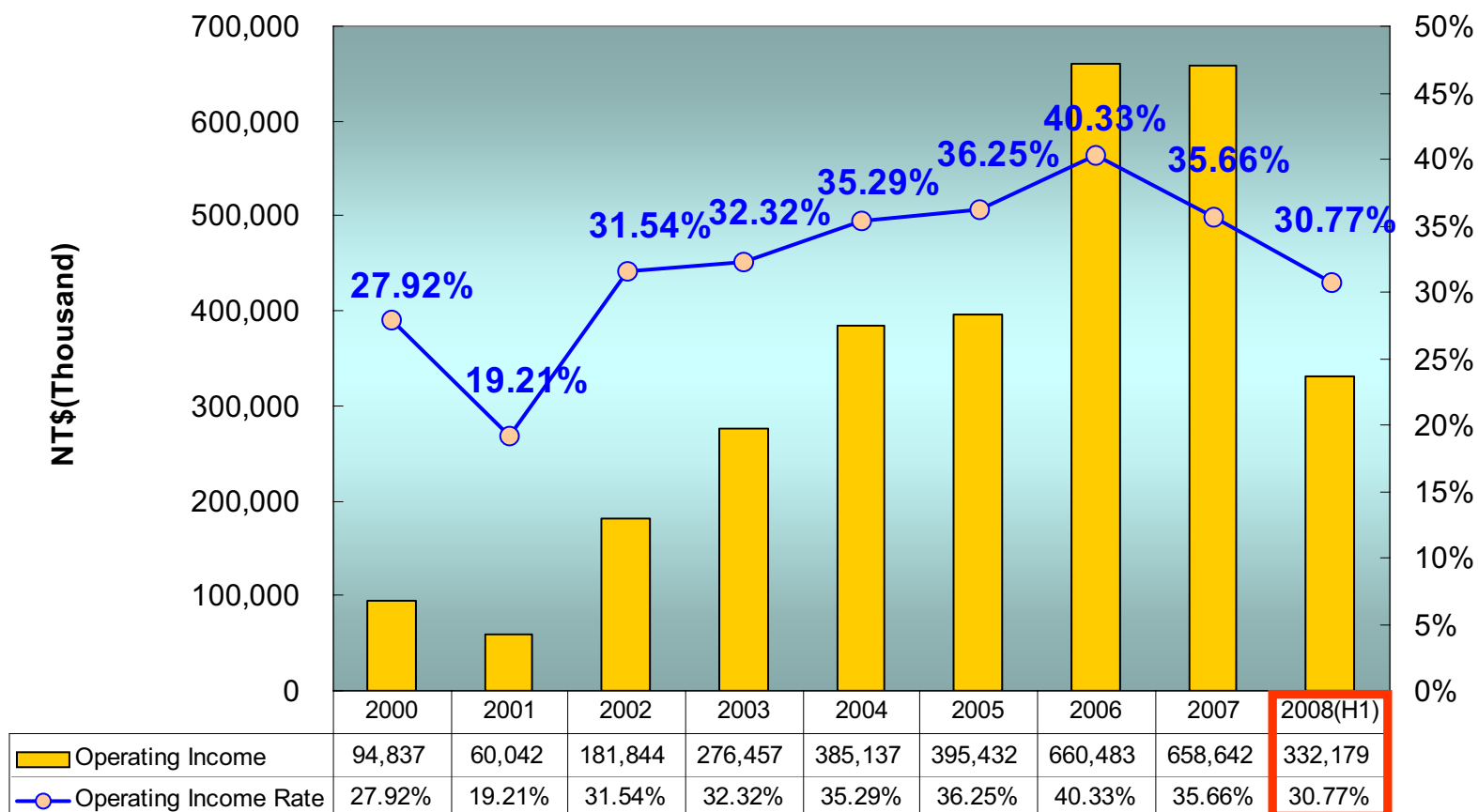
2007/2008 Revenue Growth

久元電子公司簡報



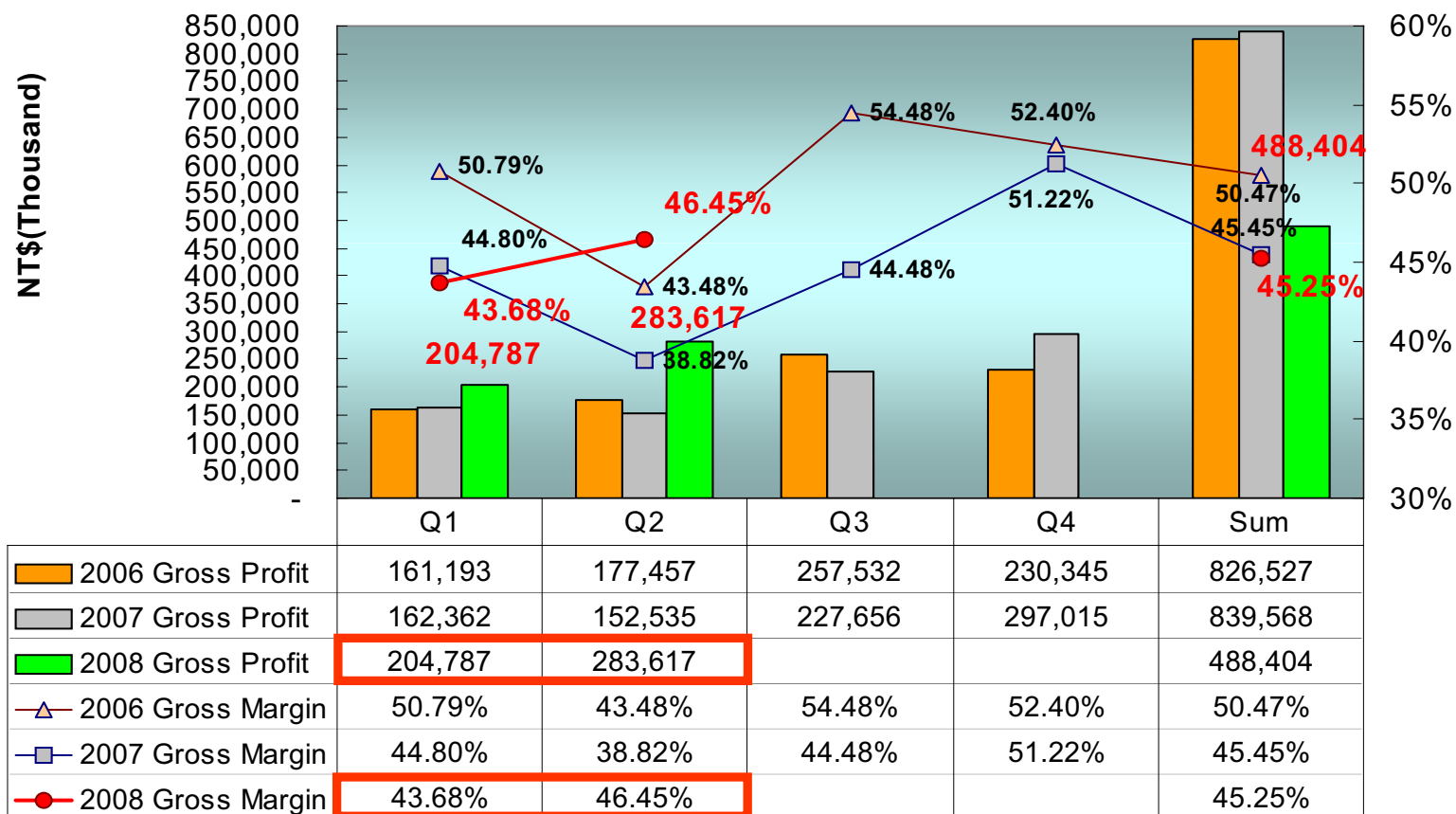
2007/2008 Operating Income

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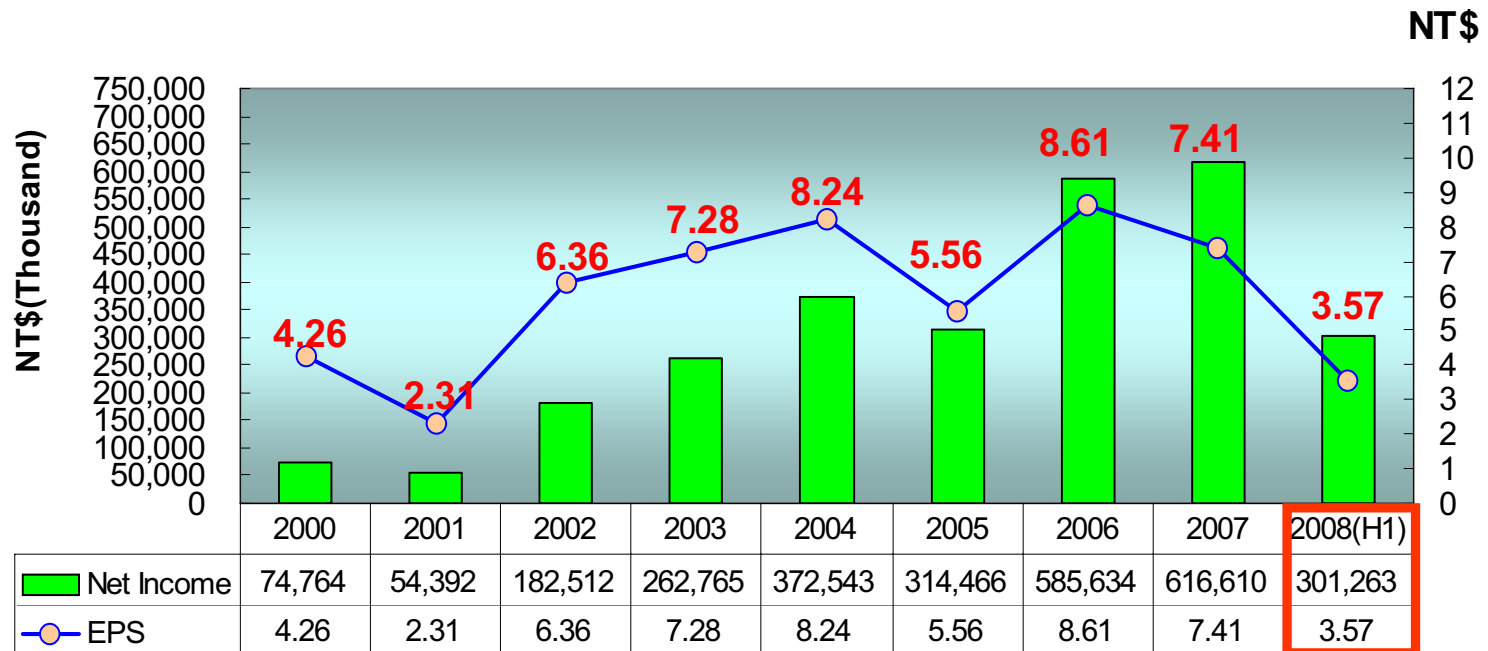
2006/2007 Gross Profit

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Yearly Net Income & EPS

久元電子公司簡報



Business Expansion Status(相關產業之狀況)

久元電子公司簡報

- ❑ **LED代工服務**：因應市場需求彌增、持續地擴充光電產品挑檢之產能、已由2006.1月每月三億顆至2007年12月擴充至十三億顆成長333%、因此在2007年已提供業績成長實質效益。今年七月份出貨11.31億顆YOY成長47.7%、MOM則成長8.2%而今年1~7月出貨YOY則成長107%、顯示今年至今LED之需求量仍維持在一定準位、現階段產能已從五月底15億顆擴充至六月底之18億顆、依客戶現況觀察Q3雖為傳統旺季但不排除遞延、因此成長力道將逐月追蹤、LED仍為未來趨勢因此樂觀預期在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**：95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95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。2007年在雙方合作互動下提昇測試機技術層次及銷售量、展望2008年在雙方合作下、期望能更上層樓,挹助營收。
- ❑ **CIS、CCM及AOI設備開發**：成功的開發完成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、已陸續導入新增之代工服務、現已量產將逐月增量以挹助營收。另外針對96年對自行開發之CCM(影像感測模組測試設備)及AOI(自動光學檢測系統)等設備,目前已取得部份訂單且陸續交機中、而96年11月合併駿曦生效使AOI設備銷售隨即在11,12月挹助營收。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、近期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、因此樂觀可期。
- ❑ **半導體代工服務**：Q1雖為消費性IC傳統淡季、Q1業績YOY成長33.4%、呈現淡季不淡而Q2業績YOY則成長39.4%、QOQ則成長20.8%、成長幅度較往年高顯示需求增溫、在七月份業績YOY成長14.7%、MOM成長4.3%為今年新高、八月份因產品組合性產值不同將略低於七月,依現階段觀察客戶動態九月份在LCD Line回溫下應可略高於八月、因此將持續monitor、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..),展望2008年下半年可持續挹助業績成長之動力。
- ❑ **GPS模組產品**：公司積極參與美國消費性展及CeBIT德國漢諾威展與亞洲專業級車用電子展、以全方位的市場拓展為原則、積極佈局並提昇工程開發能力以做為發展之成長動力。YTEC產品包含各式無線通訊技術的GPS產品開發、GPS接收器模組、有線及無線藍芽GPS接收器等、滿足定位、導航、追蹤等相關應用、積極開發國外市場投入GPS接收器模組開發、提供省電、運算能力強、週邊支援豐富、滿足車廠等客製化應用、並提供最佳效能價格比之解決方案。此部份將以中長期佈局以提昇附加價值貢獻業績。



Share payout composition and history

久元電子公司簡報

Share payout composition and history

Year		九十年度(2001)	九十一年度 (2002)	九十二年 (2003)	九十三年 (2004)	九十四年 (2005)	九十五年 (2006)	九十六年 (2007)	九十七年 (2008)
		分配八十九年 Profit(2000)	分配九十年 Profit(2001)	分配九十一年 Profit(2002)	分配九十二年 Profit(2003)	分配九十三年 Profit(2004)	分配九十四年 Profit(2005)	分配九十五年 Profit(2006)	分配九十六年 Profit(2007)
Cash(NTD)		1.00	--	2.00	3.00	3.00	2.61	3.99	4.00
Free	Pair stock of profit	2.00	1.50	2.00	2.00	2.00	0.87	1.00	0.50
stock	Capital reserve fund	--	0.50	--	--	--	--	--	--
EPS(NTD)		4.26	2.31	6.36	7.28	8.24	5.56	8.61	7.41

TSIA 2006~2008 年我國IC產業產值及成長統計

久元電子公司簡報

工研院 IEK (2008年/2月) 2006~2008年我國IC產業產值及成長預估統計Report

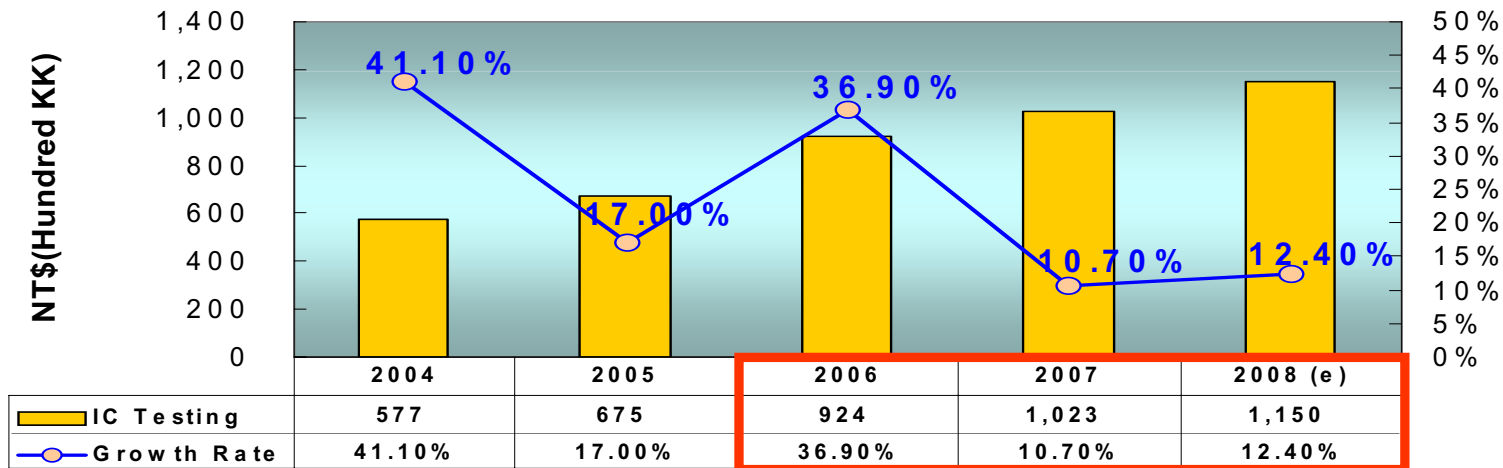
Date:97.2.18

單位：億新台幣

項目	2006產值	2006(YOY)	2007Q1	2007Q2	2007Q3	2007Q4	2007產值	2007(YOY)	2008(e)產值	2008(e)(YOY)
總體IC產業產值	13,933	24.60%	3,395	3,418	4,027	3,734	14,574	4.60%	15,860	8.80%
IC設計業	3,234	13.50%	840	975	1,177	1,005	3,997	23.60%	4,500	12.60%
IC製造業	7,667	30.50%	1,825	1,678	1,960	1,811	7,274	-5.10%	7,660	5.30%
IC晶圓代工	4,378	17.20%	914	1,035	1,235	1,245	4,429	1.20%	4,910	10.90%
IC封裝業	2,108	18.40%	500	520	620	640	2,280	8.20%	2,550	11.80%
IC測試業	924	36.90%	230	245	270	127	1,023	10.70%	1,150	12.40%

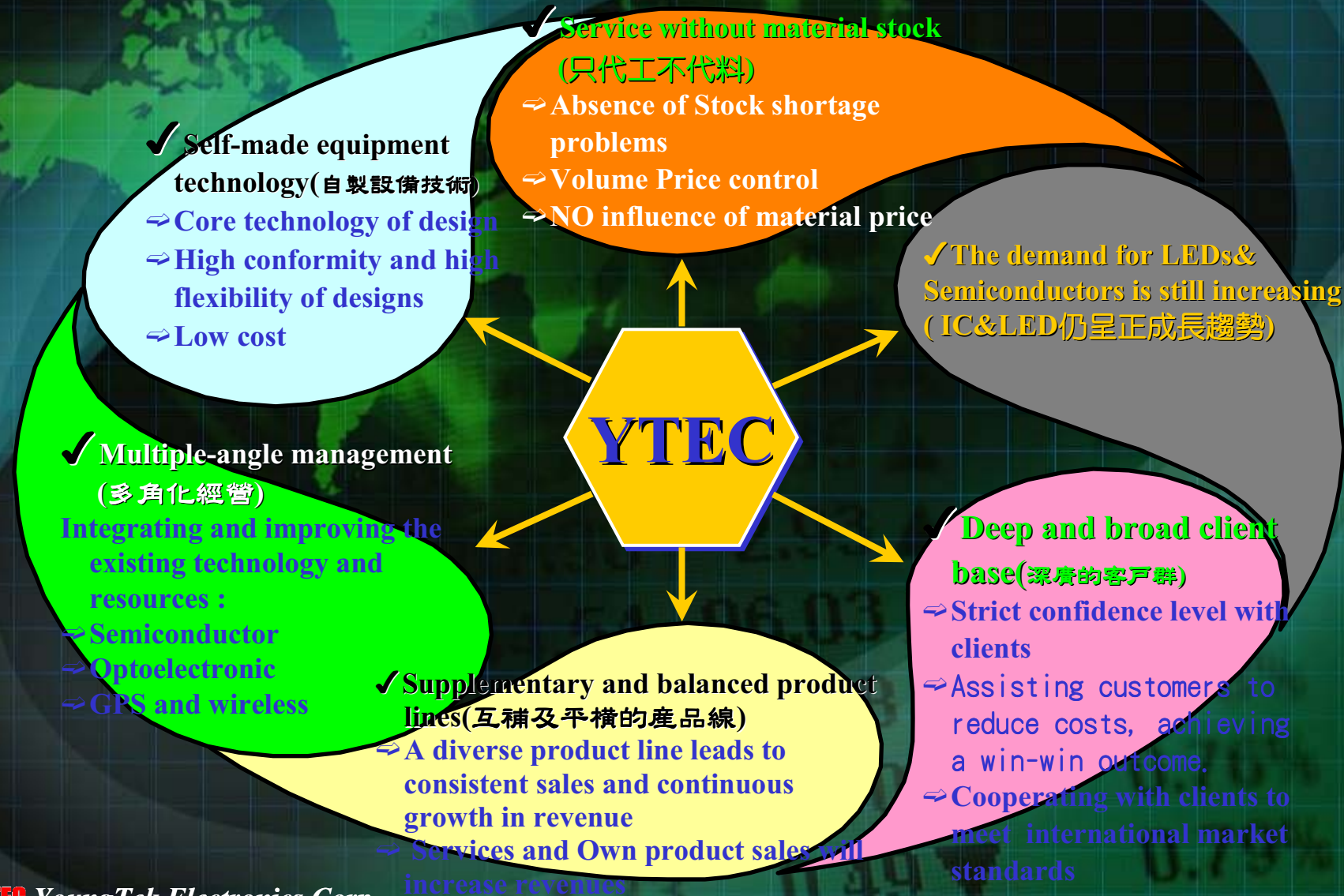
註：(e)表示預估值(estimate)。YOY表示年度比

資料來源：工研院 IEK(2008年/2月)



Company competitive advantages

久元電子公司簡報



公司願景 Company Mission

久元電子公司簡介

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 OEM factory. YTEC moves forward, with it's own products, and Own Bench Marks.



Q & A

久元電子公司簡介

Thank you very much

