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B. Products 06
Appendix 29
A. Company Profile

a1. Company at a Glance

a2. Business Portfolio

Address

No. 7, Luke 1st Rd., Luzhu Shiang, Kaohsiung, 821 Taiwan, R.O.C.

Southern Taiwan Branch

No. 155, Chung-Ho St., Chu-Pei, Hsinchu, 302 Taiwan, R.O.C.

Founded

July, 25, 1995

Paid-in Capital

NT$ 733M

No. of Employees

743
A. Business Portfolio: 2009

- Solar: 12%
- Leda: 24%
- Probe Card: 61%

B. Products

b1. LED: Prober & Sorter
   01. LED Food Chain
   02. LED Trend
   03. Business Contents

b2. Semi-conductor: Probe Card
   01. Semi-conductor
   02. Peer Group Analysis
   03. Business Contents

b3. Solar: Ingot Slicing
   01. Wafer Process in Solar
   02. Business Contents
01. LED EPI-Wafer Process

- Grinder
- Wafer Mounter
- Laser Scriber
- Breaker
- Expander
- Prober
- Tape Mounter
- Counter
- QC Prober
- Post Inspection
- Sorter

- MPI Co. (75%)
- Fittech Co.
- Chroma ATE Inc.

- MPI Co. (30%)
- ASMP (HK)

02. LED Trend

- 2009
- NEXT
- FUTURE

- Automotive
- General Lighting
- Signal/Sensor
- Mobile
- Others
- Lighting
- Signal/Sensor
- Mobile
- Others

- Bar Graph
- Pie Charts

- Graphical Representation
B1 03. Shipment: Geography & Product Mix

by Geography

- Korea: 5%
- Taiwan: 54%
- China: 41%

by Product

- PC

Q1: 21%, 26%
Q2: 40%, 12%
Q3: 39%, 10%
Q4: 15%, 5%

11/30

B1 03. 2009 Major Customers

Taiwan
- FOREPI
- OPTOTECH
- TAIWAN SEMICONDUCTOR
- CHIMEI
- Lumitek

Korea
- TSE
- Neo-Neo
- TAIWAN SEMICONDUCTOR
- LG
- Life's Good

China
- CHIMEI
- SAMSUNG
- TYNTEK CORPORATION
- Wuhan HC SemiTek Co., Ltd.
- 武汉华芯光电有限公司
**B1 03. Prober**

**LEDA-PT120 PROBER**

Semi-Automatic Probe Station

**B1 03. Sorter**

**LEDA-PNP**

M7600 Fully-Auto Mapping Sorter
03. Auto Taping Machine

PT-350 TAPING

LED-Auto Taping Machines

03. State-of-the-Art 2 in 1 Machine
01. Market Consensus: Semi-Conductor

Global Semiconductor Market Growth Rate

b2. Peer Group Analysis

NT$ Million

FFI  MJC  JEM  TCL  MPI  SV

Exchange rate: 1 dollar = NT 33; 1 JPY = NT 0.3; 1 SGD = NT 22

SV probe in 100% wholly owned by Ellipsiz, a semiconductor equipment maker, from 2006.
1. Peer Group Analysis (con.)

B2

17% 21% 20% 0% 36% 23%

P1: Same quarter period in all company. Ex: Q1= 2008.01~2008.03.
P2: Exchange rate: 1 dollar = NT 33 ; 1 JPY = NT 0.3; 1SGD = NT 22
P3: SV probe in 100% wholly own by Ellipsiz, an semiconductor equipment maker, from 2006.

3. Categories of Probe Card

B2

Logic P/C

LCD Driver IC

40 μm pitch for LCD Driver IC
03. Product Mix in 2009

Q1'09 | Q2'09 | Q3'09 | Q4'09
---|---|---|---
70% | 20% | 10% | 35%
68% | 6% | 6% | 32%
27% | 5% | 3% | 32%

LCD | Logic | Memory

03. Monthly Shipment 2007~2009

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

2007 2008 2009
03. 2009 Major Customers

- Design Houses
  - NOVATEK
  - UMC
  - Himax
  - MARVELL

- Foundries
  - SPIL
  - KYEC
  - TSMC

- Testing Houses
  - CHIPBOND
  - ChipMOS
  - IST

03. B/B Ratio 2007~2009

<table>
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<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
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<td>1.25</td>
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</table>
03. Product & Customers Mix (%)

**2009**

**by Product**
- LCD 64%
- Logic 30%
- Memory 6%

**by Customer**
- Design house 35%
- Foundry 7%
- Testing house 58%

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**B3**

01. Wafer Process in Solar

**Mono Si**
- Growing/Casting

**Poly Si**
- Square/Bricking
- Edge grinding
- Gluing

**Wafering process**
- Wafer measuring
- Wafer cleaning
- Wafer separating
- Wafer cutting
**02. Shipment 2009**

![Chart showing shipment data for different months in 2009.](chart.png)

**02. 2009 Shipment by Geography**

![Pie chart showing shipment distribution by geography.](pie_chart.png)
## Appendix

### Global LED Sectors

<table>
<thead>
<tr>
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<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
</table>
| **LED 對裝置價**  
(Bn;NTD)            |      |      |      |      |
| LED Laptop          | 4.21 | 16.2 | 30.3 | 34.8 |
| LED Monitor         | 0.16 | 0.44 | 1.50 | 3.98 |
| LED TV              | 1.06 | 10.3 | 35.1 | 68.4 |
| **TOTAL**           | 5.42 | 28.9 | 67.0 | 107  |
| **LED 易耗需求量**  
(Bn,pcs)           |      |      |      |      |
| LED Laptop          | 1.14 | 4.42 | 7.38 | 8.80 |
| LED Monitor         | 0.04 | 0.12 | 0.41 | 1.08 |
| LED TV              | 0.22 | 2.71 | 9.50 | 18.5 |
| **TOTAL**           | 1.64 | 7.94 | 18.3 | 29.5 |

(2009/08) ; Laptop including Netbook and Regular NB