Safe Harbor Notice

The information herein contains forward-looking statements. We have based these forward-looking statements on our current expectations and projections about future events. Although we believe that these expectations and projections are reasonable, such forward-looking statements are inherently subject to risks, uncertainties and assumptions about us, including, among other things: the intensely competitive Semi-conductor, and LED industries and markets; Cyclical nature of the semiconductor industry; Risks associated with global business activities; General economic and political conditions. All financial figures discussed herein are prepared pursuant to IFRS. All audited figures will be publicly announced upon the completion of our audited process.
Company at a Glance

**Founded:** July 25, 1995

**Paid-in Capital:** NT$ 786M (2013.06.30 - latest)

**Employees:** 942 (2013.06.30)

Business Portfolio

- **Probe Card**
  - 2Q 2012: 66%
  - 3Q 2012: 69%
  - 4Q 2012: 67%
  - 1Q 2013: 65%
  - 2Q 2013: 63%

- **Leda**
  - 2Q 2012: 28%
  - 3Q 2012: 27%
  - 4Q 2012: 29%
  - 1Q 2013: 34%
  - 2Q 2013: 32%

**Mapi Microelectronics (Shanghai) Co., LTD.**
- **Tianjin Office**
- **Tainan Office**
- **Xiamen Office**
- **Ningbo Office**
- **ST Branch**
- **MUC Microelectronics Co., LTD.**
- **Chain Logic International Corp.**
- **Xinangstrom Corp.**
### Net Sales by Region

![Net Sales by Region Chart]

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>1H of 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taiwan</td>
<td>1,749</td>
<td>1,412</td>
<td>452</td>
<td>352</td>
</tr>
<tr>
<td>China</td>
<td>1,645</td>
<td>734</td>
<td>737</td>
<td>131</td>
</tr>
<tr>
<td>Singapore</td>
<td>131</td>
<td>142</td>
<td>95</td>
<td>11</td>
</tr>
<tr>
<td>EU</td>
<td>18</td>
<td>22</td>
<td>20</td>
<td>319</td>
</tr>
<tr>
<td>USA</td>
<td>142</td>
<td>95</td>
<td>20</td>
<td>461</td>
</tr>
<tr>
<td>RoW</td>
<td>95</td>
<td>20</td>
<td>319</td>
<td>126</td>
</tr>
</tbody>
</table>

#### 1H of 2013
- TW 68%
- USA 16%
- SG 10%
- EU 2%
- Rest of Asia 2%
- CN 6%

### Agenda

- **Business Contents**
  - Probe Card
  - LED (Light Emitting Diodes)
  - Opportunities
- **Financial Statements**
  - B/S
  - I/S
  - R&D
Product Mix of CPC (Cantilever)
**2011~2012 Global LDI Market**

**2011**  
- Taiwan: 41.1%

**2012**  
- Taiwan: 45.5%

**Vendor Market Share**
- Novatek: 17.0%
- Samsung: 18.0%
- Himax: 10.0%
- Renesas: 10.0%
- MagnaChip: 5.0%
- Lusem: 5.0%
- Ilitek: 6.0%
- MagnaChip: 5.0%
- ROHM, Silicon Works: 5.0%
- Raydium: 5.0%
- Lusem: 5.0%
- Ilitek: 4.5%
- Raydium: 3.9%
- Orise: 2.5%
- Lusem: 4.2%
- Sitronix: 2.0%
- Sony: 2.0%
- Sharp: 1.7%
- Sharp: 2.2%
- Seiko, Epson: 1.5%
- Toshiba: 1.5%
- Sitronix: 2.0%
- Sharp: 2.2%
- Seiko, Epson: 1.5%
- Toshiba: 1.5%
- Sitronix: 2.0%
- Sharp: 2.2%
- Others: 13.4%

**Other Companies**
- Novatek: 18.8%
- Samsung: 17.0%
- Himax: 9.0%
- Renesas: 12.5%
- MagnaChip: 5.1%
- Lusem: 4.1%
- Ilitek: 4.5%
- Raydium: 3.9%
- Orise: 2.5%
- Sony: 2.0%
- Sharp: 2.2%

**2010~2013 LCD Driver IC Tester Trend**

**Total Testers**
- 2010: 842
- 2011: 932
- 2012: 936
- 2013: 1,075

**Vendor Performance**
- Chipbond: 2012 419, 2013 481 (62), 14.8%
- ChipMOS: 259, 291 (32), 12.4%
- KYEC: 172, 184 (12), 7.0%
- YTEC: 42, 61 (19), 45.2%

**Bar Graph**
- Vertical axis: 0 to 900
- Horizontal axis: 2010 to 2013

**Pie Chart**
- 2011: Taiwan: 41.1%
- 2012: Taiwan: 45.5%
- Novatek: 17.0%
- Samsung: 18.0%
- Himax: 10.0%
- Renesas: 10.0%
- MagnaChip: 5.0%
- Lusem: 5.0%
- Ilitek: 6.0%
- MagnaChip: 5.0%
- ROHM, Silicon Works: 5.0%
- Raydium: 5.0%
- Lusem: 5.0%
- Ilitek: 4.5%
- Raydium: 3.9%
- Orise: 2.5%
- Lusem: 4.2%
- Sitronix: 2.0%
- Sony: 2.0%
- Sharp: 1.7%
- Sharp: 2.2%
- Seiko, Epson: 1.5%
- Toshiba: 1.5%
- Sitronix: 2.0%
- Sharp: 2.2%
- Seiko, Epson: 1.5%
- Toshiba: 1.5%
- Sitronix: 2.0%
- Sharp: 2.2%
- Others: 13.4%
Taiwan LDI Market

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units(K)</td>
<td>4,783,079</td>
<td>4,726,547</td>
<td>5,232,269</td>
</tr>
<tr>
<td>Growth Rate (%)</td>
<td>-1.2%</td>
<td>10.7%</td>
<td></td>
</tr>
<tr>
<td>Market Share($)</td>
<td>39.8%</td>
<td>41.0%</td>
<td>45.5%</td>
</tr>
<tr>
<td>Market Share (Units)</td>
<td>49.8%</td>
<td>44.0%</td>
<td>51.8%</td>
</tr>
<tr>
<td>MPI LDI needle</td>
<td>2,259,047</td>
<td>2,217,043</td>
<td>2,689,735</td>
</tr>
<tr>
<td>Growth Rate (%)</td>
<td>-1.8%</td>
<td>21.3%</td>
<td></td>
</tr>
</tbody>
</table>

PC Pin-Shipment

![Graph showing PC Pin-Shipment from 2011 to 2013 with B/B Ratio]

- Jan. 2011: 1.20
- Feb. 2011: 0.91
- Mar. 2011: 1.00
- Apr. 2011: 1.23
- May 2011: 1.02
- Jun. 2011: 0.73
- Jul. 2011: 1.00
- Aug. 2011: 0.80
- Sep. 2011: 0.90
- Oct. 2011: 1.00
- Nov. 2011: 0.80
- Dec. 2011: 0.90

- Jan. 2012: 1.30
- Feb. 2012: 1.00
- Mar. 2012: 0.98
- Apr. 2012: 1.23
- May 2012: 1.02
- Jun. 2012: 0.73
- Jul. 2012: 1.00
- Aug. 2012: 0.80
- Sep. 2012: 0.90
- Oct. 2012: 1.00
- Nov. 2012: 0.80
- Dec. 2012: 0.90

- Jan. 2013: 1.40
- Feb. 2013: 1.00
- Mar. 2013: 0.98
- Apr. 2013: 1.23
- May 2013: 1.02
- Jun. 2013: 0.73
- Jul. 2013: 1.00
- Aug. 2013: 0.80
- Sep. 2013: 0.90
- Oct. 2013: 1.00
- Nov. 2013: 0.80
- Dec. 2013: 0.90
Vertical Probe Card (28nm or below)

Major Customers of VPC

- Qualcomm, 31%
- Samsung, 21%
- Mediatek, 9%
- Intel, 6%
- Skyworks Solutions, 4%
- TI, 4%
- ST-Ericsson, 4%
- Renesas, 4%
- Spreadtrum, 3%
- others, 14%

2012 Smartphone Percentage

VPC (Vertical) Pin-Shipment
Worldwide Mobile Phone Forecast

NPD DisplaySearch: In 2014, Smartphone shipments will overpass Feature Phone shipment.
Industry vs. MPI (2004~2015)

General Lighting (2011-2020)
Worldwide Regulation Time Frame

The incandescent ban is now a global movement in residential lighting and is expanding into halogen

<table>
<thead>
<tr>
<th>Timeline</th>
<th>2008</th>
<th>09</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>EU</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>Japan</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>Brazil</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
</tbody>
</table>

- **Corporation**
- **Worldwide Regulation Time Frame**
- **MOCVD Capex Cycle is Ready to Kick-Off**

Note: Time of year the ban comes into effect: US, Russia = January 1, EU = August 30, China = September 30, Brazil = June 30

Source: McKinsey analysis and additional sources (see footnote 11)
LED Funding Plan in 2013

**Epistar**
- Epistar issued USD$250M convertible bonds with strike price at $65.13 on Aug 7th, 2013
- San An bought 19.9% of Forepi(3061.TT) with amount NT$2.352 billions on Nov 26th, 2012.
- San An BOD determined to issue >209M of share with price <RMB15.82, right issues on June 16th, 2013.
- Ledlink Co. (5230.TT) issued NT$400 CB on Aug, 2013

**Geography & Product Mix**

**By Geography**
- China, 123, 66%
- Korea, 3, 2%
- Taiwan, 53, 28%
- Others, 7, 4%

**By Product**
- 3Q-12(S) 4Q-12(S) 1Q-13(S) 2Q-13(S)
- Sorter
- Prober

[Graphs and charts showing geographical and product distribution]
Customers Distribution (2012~2013 YTD)

1. ANHUI SANAN OPTOELECTRONICS CO., LTD
2. ELEC-TECH PHOTONICS TECHNOLOGY (DALIAN) CO., LTD
3. EVERRISION ELECTRONICS LTD
4. SHANXI FEIHONG MICRO-NANO PHOTONICS SCIENCE & TECHNOLOGY CO., LTD
5. JIANGSU XINGUANGlian TECHNOLOGY CO., LTD

Opportunities in 2H’13~2014
## Balance Sheet Highlight

<table>
<thead>
<tr>
<th>Amount: NT$ Million</th>
<th>1H 2013</th>
<th>1H 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Cash Equivalents</td>
<td>505</td>
<td>603</td>
</tr>
<tr>
<td>Fixed Assets</td>
<td>1,887</td>
<td>1,708</td>
</tr>
<tr>
<td>Total Assets</td>
<td>4,569</td>
<td>4,663</td>
</tr>
<tr>
<td>LT Debt</td>
<td>72</td>
<td>82</td>
</tr>
<tr>
<td>Shareholders’ Equity</td>
<td>2,950</td>
<td>2,851</td>
</tr>
<tr>
<td>EBITDA</td>
<td>186</td>
<td>132</td>
</tr>
</tbody>
</table>

*EBITDA = operating income + depreciation & amortization expenses*
**Income Statement**

<table>
<thead>
<tr>
<th></th>
<th>NT$1,000</th>
<th>1H’ 2013</th>
<th>1H’ 2012</th>
<th>YoY(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Sales</td>
<td>1,522,664</td>
<td>100%</td>
<td>1,314,034</td>
<td>100%</td>
</tr>
<tr>
<td>Cost of Goods Sold</td>
<td>819,901</td>
<td>53.8%</td>
<td>711,026</td>
<td>54.1%</td>
</tr>
<tr>
<td>Gross Profit</td>
<td>702,763</td>
<td>46.2%</td>
<td>603,008</td>
<td>45.9%</td>
</tr>
<tr>
<td>Operating Expense</td>
<td>516,359</td>
<td>33.9%</td>
<td>483,864</td>
<td>36.8%</td>
</tr>
<tr>
<td>Operating Income</td>
<td>187,873</td>
<td>12.3%</td>
<td>121,050</td>
<td>9.2%</td>
</tr>
<tr>
<td>Investment Income &amp; Others</td>
<td>-1,310</td>
<td>-0.1%</td>
<td>11,054</td>
<td>0.8%</td>
</tr>
<tr>
<td>Net Income (before tax)</td>
<td>186,563</td>
<td>12.3%</td>
<td>132,104</td>
<td>10.1%</td>
</tr>
</tbody>
</table>

**EPS (before tax)**

<table>
<thead>
<tr>
<th></th>
<th>1H’ 2013</th>
<th>1H’ 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.99</td>
<td>1.59</td>
</tr>
</tbody>
</table>

**R&D Expenses, Capex and Depreciation**

**R&D Expenses**

<table>
<thead>
<tr>
<th></th>
<th>NTS 1,000</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>1H of 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D</td>
<td></td>
<td>253,564</td>
<td>346,377</td>
<td>439,274</td>
<td>387,382</td>
<td>245,868</td>
</tr>
<tr>
<td>% of Total Sales</td>
<td>15.99%</td>
<td>8.80%</td>
<td>10.76%</td>
<td>18.75%</td>
<td>16.15%</td>
<td></td>
</tr>
</tbody>
</table>

**CAPEX and Depreciation Expenses**

<table>
<thead>
<tr>
<th></th>
<th>NTS 1,000</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>1H of 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capex</td>
<td></td>
<td>133,232</td>
<td>134,128</td>
<td>83,306</td>
<td>63,553</td>
<td>81,133</td>
</tr>
<tr>
<td>Depreciation Expenses</td>
<td></td>
<td>22,625</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>