



MPI Corporation. (6223.TT)

RBS\_NDR\_2013

### 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 ROC GAAP on an un-audited unconsolidated basis. All audited figures will be publicly announced upon the completion of our audited process.

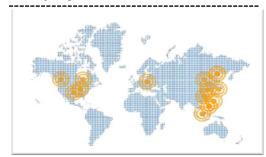
### Company at a Glance

Founded July, 25, 1995

Paid-in NTD\$ 786M

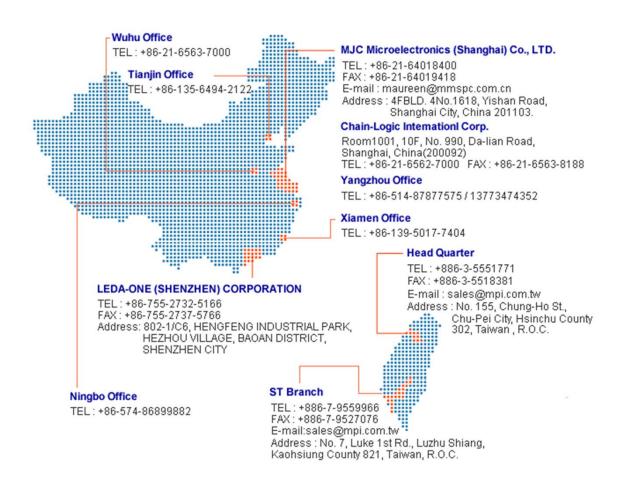
Capital (2012.12.31-the latest )

**Employees 919** (2012.12.31)

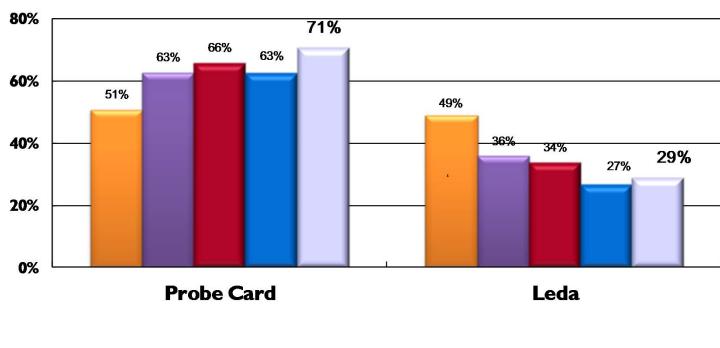








### **Business Portfolio**

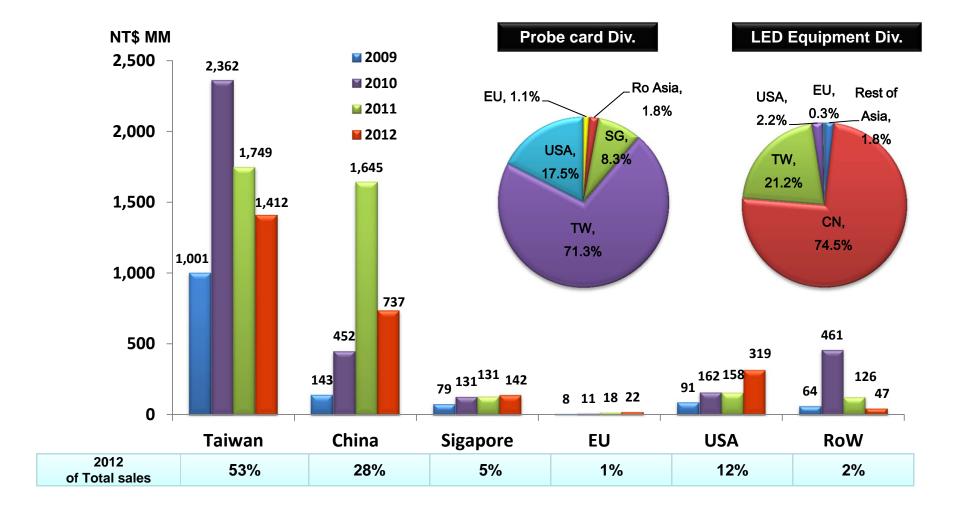








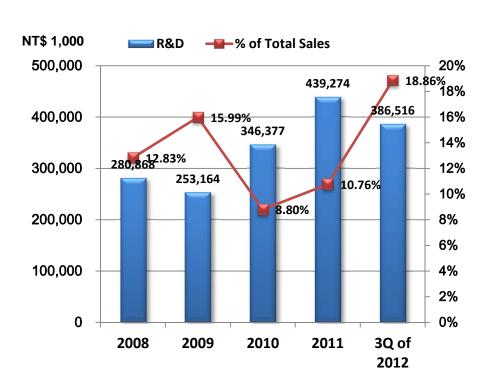
# **Net Sales by Region**

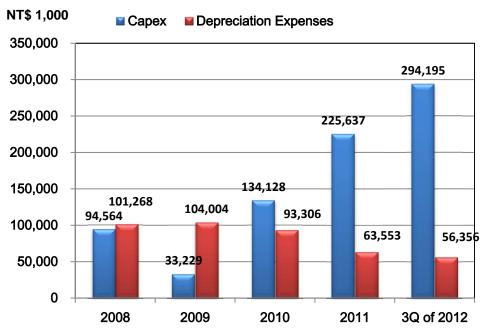


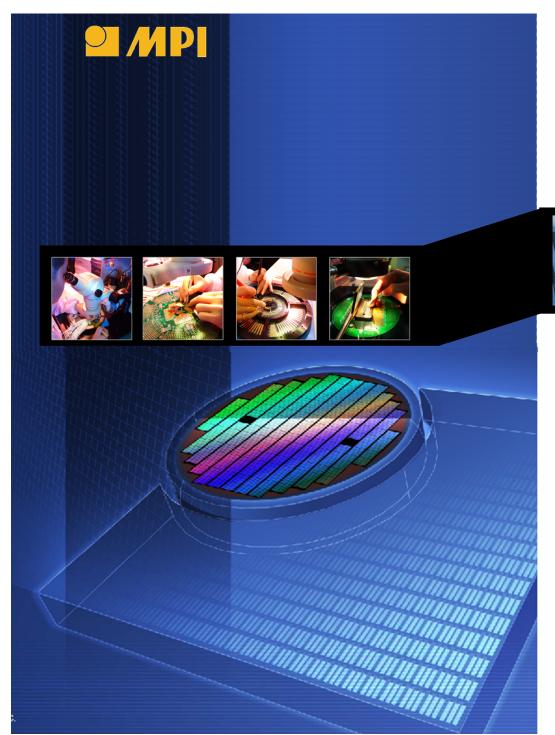
### **R&D** Expenses, Capex and Depreciation

### **R&D Expenses**

### **Capex and Depreciation Expenses**









**LED** 

### **LED Turnkey Solution**

### **Chip Level**

**Package Level** 

**Prober** 

Sorter

Handler

**Tapping** 









### 2 in 1 (Prober + Sorter)



**Reduce spacing** demand for capex

**Reduce workforce** 

**Process** improvement

### **Fully Auto New Product**

### Die Prober **Vertical and normal LED**



### LED AOI

**Fully-Auto Wafer Loader** Inspection Time: 5 min Exchange Time 15 sec



### COB Sorter

well suited for various **COB-type products** 



### LED field application

### Architectural is the early LED adopter, but residential is expected to become the most significant LED application soon

LED lighting value-based market share1 by general lighting application (excl. lighting system control components) incl. lighting system control components Percent

LED lighting market size<sup>1</sup> by general lighting application. **EUR** billions

CAGR 73 (73) 49 (49) Percent 7 (7) Residential 2011 - 16 2016 - 20 54 (48) 31 (28) 57 45 15 6 (5) Office 71 (68) 47 (45) 7 (7) 56 14 23 Residential Shop 81 (80) 44 (43) 32 9 (9) Hospitality 22 Office 49 8 12 54 40 (37) 14 Shop 21 (19) 4(3) 18 /Hospitality 44 Industrial 47 20 74 (74) Industrial 44 (43) 6(6)8 Outdoor Outdoor 56 18 10 Architectural 16 88 (87) 76 (75) 47 (47) Architectural 2011 16 2020 9% 45% 2011 16 2020 69% Total LED lighting market share

Source: McKinsey&Company 2012

### **LED Growth Geographically**

# Asia is an early adopter of LED, and leads the global LED general lighting market

LED lighting value-based market share<sup>1</sup> by country/region (excl. lighting system control components)

Percent

LED lighting market size<sup>1</sup> by country/region, incl. lighting system control components

Europe 73 (72) 47 (46) 9 (9) North America 72 (70) 45 (44) 8 (8) Asia 69 (68) 45 (45) 11 (11) 70 (69) China 46 (46) 12 (12) Latin America 61 (61) 37 (37) 4(4) Middle East 56 (55) 33 (33) and Africa 5 (5)



Source: McKinsey&Company 2012

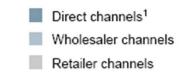
16

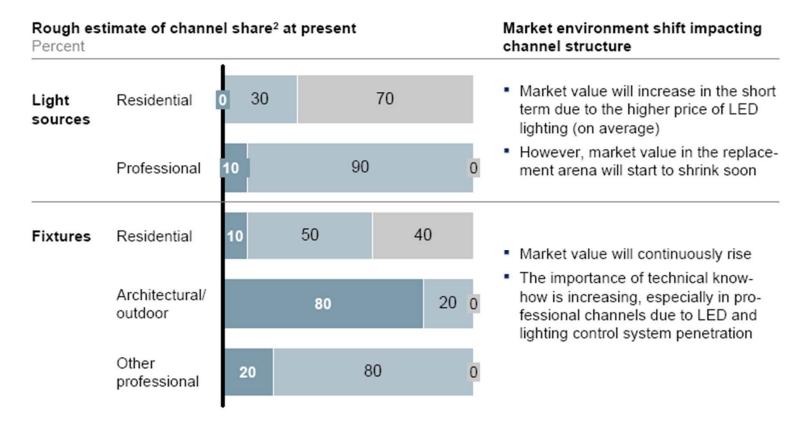
2020

2011

### **LED Lighting Product Channels**

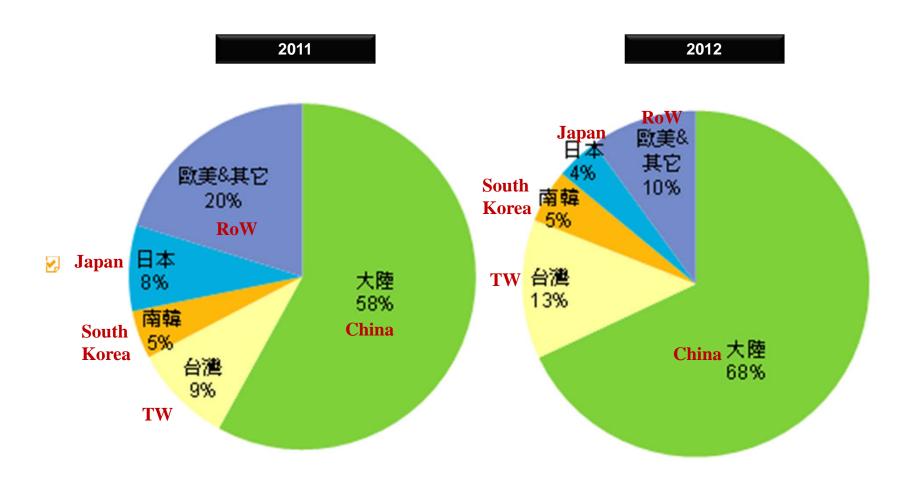
# Lighting product channels differ by value chain and application





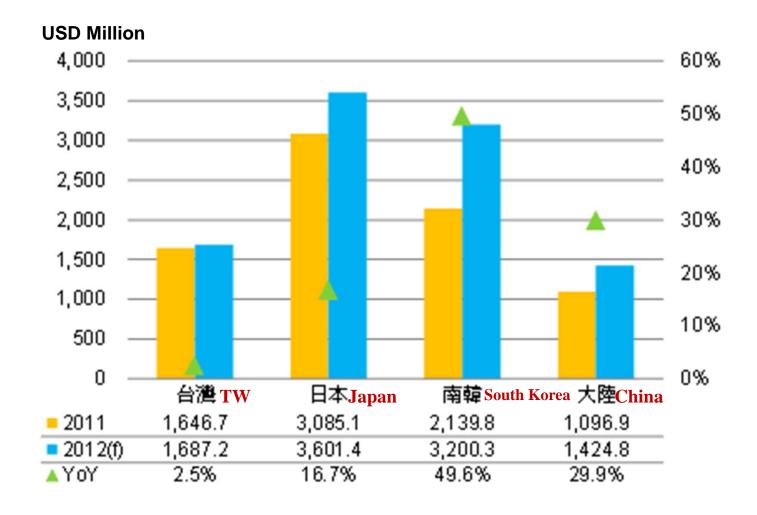
Source: McKinsey&Company 2012

# 2011 ~ 2012 MOCVD Request by Region



Source: DIGITIMES 2012/9

### 2012 LED Growth by Region



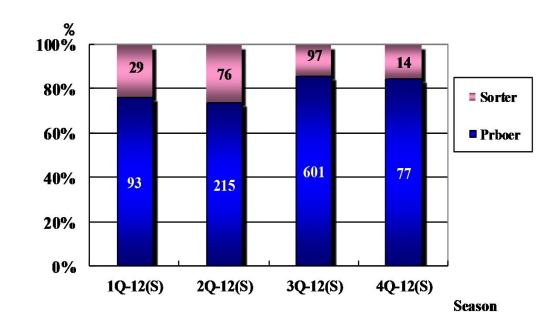
Source: DIGITIMES 2012/9

# **Geography & Product Mix**

### by Geography

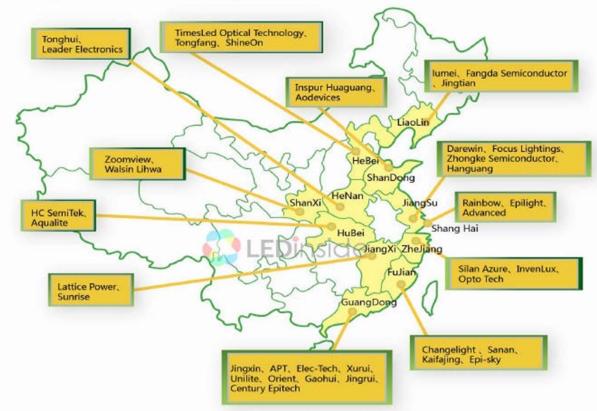
# others, 11, Taiwan, Korea, 7, 1% 135, 11% 1% China, 1049, 87% Country, PC, %

### by Product



# **China LED Chip Distribution**

### **LED Chip Market Development Distribution**



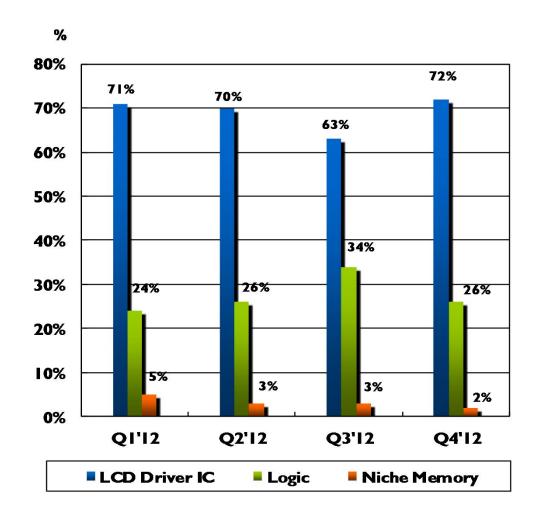
♦ The LED epi wafer & chip field, more than 70 LED makers in the LED epi wafer & chip field and the production value reached 625 million USD.





**Probe Card** 

### **Product Mix**







### **Major Customers**

### **Design Houses**



### **Testing Houses**



















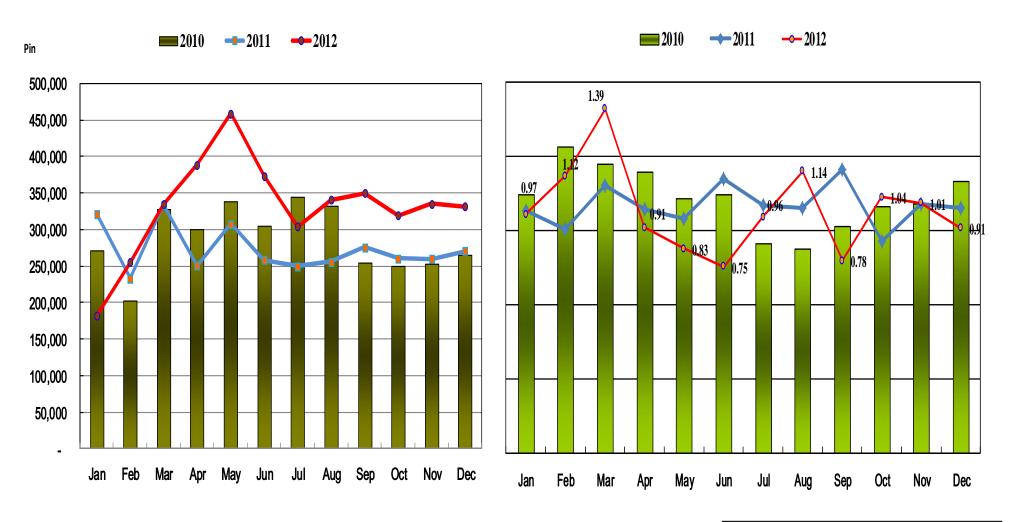








# Pin-Shipment & B/B Ratio



### **Global Semi-Conductor Forecast**

### Global Semi-Conductor Growth Forecast

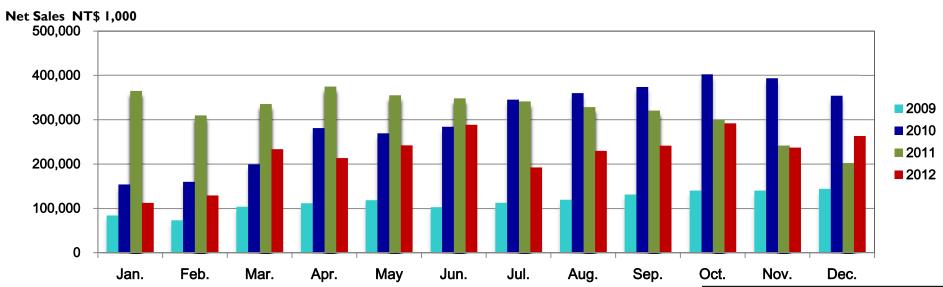
(Billion USD)	2011	2012	2013	2014	2015	2016	2011~2016CAGR
Global Market	304.0	316.1	345.8	361.3	385.2	413.0	6.30%
Growth(%)	1.5%	4.0%	9.4%	4.5%	6.6%	7.2%	-

### Global Semi-Conductor Application Forecast

(Billion USD)	2011	2012	2013	2014	2015	2016	2011~2016CAGR
Auto	24.1	25.1	26.7	28.5	31.2	33.8	7.0%
Communication	78.9	83.7	89.8	93.8	99.3	105.4	6.0%
Consumer	46.0	46.4	48.7	49.8	51.4	52.8	2.8%
Info.	124.6	129.8	146.0	151.5	162.4	176.6	7.2%
Industry	26.9	27.5	30.7	33.8	36.8	40.2	8.4%
Military	3.5	3.6	3.9	3.9	4.1	4.2	3.7%
Global Semi	304.0	316.1	345.8	361.3	385.2	413.0	6.3%

### **Income Statement**

NT\$1,000	Q3' 20 <sup>2</sup>	12	Q3' 20°	YoY(%)	
Net Sales	1,885,904	100%	3,081,069	100%	-39%
Cost of Goods Sold	1,023,440	54.3%	1,770,321	57.5%	-42%
Gross Profit	862,464	45.7%	1,310,748	42.5%	-34%
Operating Expense	663,242	35.2%	756,145	24.5%	-12%
Operating Income	198,885	10.5%	553,712	18.0%	-64%
Investment Income & Others	-2,308	-0.1%	92,202	3.0%	-103%
Net Income (before tax)	196,577	10.4%	645,914	21.0%	-70%
EPS (before tax)	2.32		7.51		



# **Balance Sheet Highlight**

Amount: NT\$ Million	Q3' 2	Q3' 2011		
Cash and Cash Equivalents	539	11.3%	863	16.5%
<b>Long-term Investments</b>	424	8.9%	472	9.0%
Fixed Assets	1,373	28.7%	1,084	20.8%
Total Assets	4,788	100%	5,220	100%
LT Debt	79	1.7%	89	1.7%
Shareholders' Equity	2,92	61.0%	3,104	59.5%
EBITDA	197		646	

# Thank You

http://www.mpi.com.tw