

# Global and China Electronic Glass Industry Report, 2012

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## Abstracts

The report highlights the followings:

Touch panel market and industry

LCD market and industry

Solar cell market and industry

Cover glass market and industry

15 major electronic glass companies

The electronic glass roughly consists of LCD substrate, solar cell glass and capacitive touch panel cover glass.

In 2011, the LCD substrate market size worldwide hit USD15.846 billion; in 2012, due to the dive of LCD-TV market, the LCD substrate market saw oversupply, causing the market value down to USD13.533 billion as a result of the price slump of large-sized LCD substrate. It is estimated that the LCD substrate market is likely to continue to drop by less than 9% in 2013.

There is a high threshold for accession into LCD substrate industry. The combined market occupancy of the world's four leading LCD substrate tycoons surpasses 95%. As estimated, the market share of Corning will reach 21% in 2012; that of Samsung Corning, 50% stake of which is held by Corning, will realize 23%; that of AGC and NEG

will be 27% and 28% respectively. In the Chinese market, Corning contracts glass substrate business of BOE; AGC undertakes the glass substrate business under CSOT Corporation, while NEG becomes the glass substrate supplier of Shanghai-based Tianma Micro-electronics and Infovision Optoelectronics. NEG, the sole company with the rising market occupancy, is mainly driven by its largest customer LG Display. AGC has set its footholds in South China and, is expected to outdo NEG in the future.

In 2012, the PV industry encountered frigid winter, so the PV glass market suffered a slash in profit while the shipment saw a slight drop. In general, the PV glass mainly falls into ultra-clear PV patterned glass, ultra-clear float glass and TCO glass; wherein, the market size of ultra-clear PV patterned glass is predicted to approximate USD1.503 billion in 2012, down 5% from a year earlier, and the market scale of TCO glass will be around USD862 million, a light decline of 5% from 2011.

In terms of performance, cover glass is the best. In 2012, equipments valued USD855 million are equipped with cover glass, of which, 86% comes from mobile phones and 12% from tablet PC. In 2012, the market scale of cover glass soared to USD3.13 billion spurred by the robust demand for Apple products in 2012, compared to the USD2.15 billion in 2011. The top 3 players are Fuji Crystal (Bern Optical), LENS Technology and G-Tech Optoelectronics Corp.

Major bases of Bern Optical are located in Shenzhen and Huizhou. For Apple, around 45% cover glass products are offered by Bern Optical. And bases of LENS Technology mainly sit in Changsha, Liuyang and Shenzhen; G-Tech Optoelectronics Corp. is affiliated to Foxconn Technology Group; Firststar Panel, a company located in the Chinese mainland, is heavily reliant on its big customer-Nokia. Since the sales volume of Nokia performed poorly, the business performance of Firststar Panel also declined.

## Contents

### **1. DOWNSTREAM MARKET OF ELECTRONIC GLASS**

- 1.1 Downstream Market of Touch Panel
  - 1.1.1 Global Mobile Phone Market
  - 1.2.2 Global Mobile Phone Industry
  - 1.1.3 China Mobile Phone Industry
  - 1.1.4 Tablet PC Market
  - 1.1.5 iPad Like Market
  - 1.1.6 WIN8, Ultrabook & Surface
- 1.2 Touch Panel Industry Chain
- 1.3 Touch Panel Industry Scale
- 1.4 Ranking of Touch Panel Manufacturers
- 1.5 Touch Panel Suppliers and Clients
- 1.6 OLED
  - 1.6.1 Profile
  - 1.6.2 Industry Scale
  - 1.6.3 Outlook

### **2. LCD MARKET**

- 2.1 LCD Panel Market
- 2.2 LCD-TV Market
- 2.3 Developments of LCD Market
- 2.4 LCD Panel Market
- 2.5 Large-sized TFT-LCD Market in China
- 2.6 Market Occupancy of Major LCD Panel Companies
- 2.7 Scale of Small-and Medium-sized Display Screen Industry
- 2.8 Status Quo of Small-and Medium-sized Panel Technology
- 2.9 Geographical Structure of Small-and Medium-sized Display Industry
- 2.10 Ranking of Small-and Medium-Sized Display Vendors
- 2.11 LCD Glass Substrate Market

### **3. SOLAR (PV) GLASS**

- 3.1 Solar (PV) Glass Market
- 3.2 Profile of Solar Anti-Reflective Glass
- 3.3 Solar Anti-Reflective Glass Market and Industry

- 3.4 Ultra Clear Patterned Glass
- 3.5 Profile of TCO Glass
- 3.6 TCO Glass Market and Industry
- 3.7 PV Market and Industry

#### **4. COVER GLASS MARKET**

- 4.1 Market
- 4.2 Industry Pattern

#### **5. MAJOR ELECTRONIC GLASS COMPANIES**

- 5.1 AGC
  - 5.1.1 AGC TFT-LCD Glass Substrates
  - 5.1.2 AGC Solar-related Glass
- 5.2 NSG
  - 5.2.1 NSG Group Solar Energy Business
- 5.3 XinYi Glass
  - 5.3.1 Xinyi Automotive Glass
  - 5.3.2 Xinyi PV
- 5.4 Corning
- 5.5 NEG
- 5.6 G-Tech Optoelectronics Corp.
- 5.7 LENS Technology
- 5.8 Bern Optical
- 5.9 Zhejiang Firststar Panel Technology
- 5.10 Shenzhen Proware Option Electron Limited Company
- 5.11 XLY Electronic Technology
- 5.12 Luminous Optical Technology (LOT)
- 5.13 UniBright Chemical
- 5.14 Candmark Electroptics
- 5.15 CSG
  - 5.15.1 CSG Flat Glass Department
  - 5.15.2 CSG Architectural Glass Department
  - 5.15.3 CSG Precision Glass Department
  - 5.15.4 CSG Solar Department
- 5.16 Changzhou Almaden Science & Technology

## Selected Charts

### SELECTED CHARTS

Global Mobile Phone Shipment, 2007-2014  
3G/4G Mobile Phone Shipment by Region, 2010-2012  
Global Mobile Phone Shipment by Quarter, Q1 2009-Q1 2012  
Shipment of Major Mobile Phone Brands Worldwide, Q1 2010-Q1 2012  
Shipment of Major Mobile Phone Brands Worldwide, 2010-2011  
Mobile Phone Output by Province in China, Jan.-Nov., 2011  
Mobile Phone Output by Region in China, 2011  
Ranking of 27 Mobile Phone Brands in China by Output, 2011  
Shipment of NETBOOK, iPad and Tablet PC, 2008-2014  
Market Share of Major Tablet PC Suppliers, 2012  
Touch Panel Industry Chain  
Small-and Medium-sized Touch Panel Market Size, 2009-2013  
Small-and Medium-sized Touch Panel Shipment, 2007-2014  
Small-and Medium-sized Touch Panel (Except Mobile Phone) Shipment by Application, 2010-2015  
Penetration Rate of Touch Panel Mobile Phone, 2009-2014  
Revenue of Major Touch Panel Companies, 2010-2012  
Shipment of Major Touch Panel Companies, 2010-2011  
Market Occupancy of Samsung's Mobile Phone LCD Touch Panel Suppliers, 2012  
Market Occupancy of Samsung's Tablet PC Touch Panel Suppliers, 2012  
Percentage Share of Major Nokia's Touch Panel Suppliers, 2012  
Percentage Share of Major LG's Touch Panel Suppliers, 2012  
Percentage Share of Major HTC's Touch Panel Suppliers, 2012  
Market Occupancy of Chinese Touch Panel Manufacturers, 2012  
OLED Structure  
AMOLED Drive Principles  
Output Value of OLED Industry, 2006-2013  
OLED Capacity Worldwide, 2008-2014  
OLED Capacity Worldwide by Generation, 2008-2014  
Structure of OLED Applications, 2008-2014  
Capacity of Major OLED Manufacturers Worldwide, 2009-2014  
Shipment Area of LCD Panel, 2009-2013  
LCD Shipment, 2009-2013  
Shipment Area of LCD-TV, 2009-2013  
Shipment of FPTV by Technology, 2007-2016

Monthly Revenue of Global Large-sized LCD Manufacturers, Jul.2011-Jul.2012  
Price of LCD-TV Panel, Apr.2010-Jun.2012  
Monthly Revenue of LCD-TV Panel Worldwide, Jul.2011-Jul.2012  
Price of MNT Panel, Apr.2010-Jun.2012  
Monthly Revenue of MNT Panel Worldwide, Jul.2011-Jul.2012  
Price of Notebook Panel, Apr.2010-Jun.2012  
Revenue of Mobile PC Panel, Jul.2011-Jul.2012  
Global TFT-LCD Capacity by Generation, 2000-2014  
Revenue of Global LCD Industry by Region, 2010-2014  
Market Occupancy of Major LCD Panel Manufacturers, 2012  
Main TFT-LCD Production Lines in China  
Market Occupancy of Major TV Panel Manufacturers, 2008-2012  
Market Occupancy of Major MNT Panel Manufacturers, 2008-2012  
Market Occupancy of Major Mobile PC Panel Manufacturers, 2008-2012  
Revenue and Growth Rate of Global Small- and Medium-sized Panel Industry, 2004-2012  
Shipment of Small- and Medium-sized Display Worldwide, 2004-2012  
Output Value of Global Small- and Medium-sized Display Industry by Technology, 2009-2012  
Shipment of Small- and Medium-sized Panel Worldwide by Technology, 2009-2011  
Downstream Distribution of Small- and Medium-sized Display Industry Output Value, 2010-2011  
Output Value of Global Small- and Medium-sized Display Screen Industry by Region, 2010-2011  
Shipment of Major Small- and Medium-sized Display Screen Manufacturers Worldwide by Region, 2010-2011  
Shipment of Major Small- and Medium-sized Display Manufacturers, 2009-2011  
Revenue of Major Small- and Medium-sized Display Manufacturers, 2010-2012  
Supply Relationship between Major TFT LCD Manufacturers and Glass Substrate Suppliers  
Revenue of Large-sized Electronic Display Companies Worldwide, 2010-2012  
Market Occupancy of Major LCD Substrate Companies Worldwide, 2012  
PV Glass Market Scale, 2008-2014  
Global PV Demand, 2007-2014  
Historical and Expected Module Production, 2006-2014  
Global Cover Glass Market Scale, 2010-2015  
Cover Glass Share by Application, 2010-2015  
Revenue of Major Cover Glass Manufacturers, 2011-2012  
Sales, Operating Profit and Net Income of AGC, FY2005-FY2012

Revenue of AGC by Business, 2009-3Q/2012  
Operating Profit of AGC by Business, 2009-3Q/2012  
Revenue and Operating Margin of AGC FLAT GLASS, 2003-3Q/2012  
Revenue of AGC GLASS by Product, 2008-3Q/2012  
Revenue and Operating Margin of AGC Electronics, 2003-3Q/2012  
Revenue and Operating Margin of AGC Chemical, 2003-3Q/2012  
Revenue of AGC from Automotive Glass Business, Q1 2011-Q3 2012  
Revenue of AGC from Automotive Glass Business by Region, 2010-Q3/2012  
Revenue of AGC ELECTRONICS DISPLAY, Q1 2011-Q3 2012  
Revenue of AGC ELECTRONICS by Product, 2008-Q3/2012  
Revenue and Operating Margin of NSG, FY2005-FY2013  
Revenue of NSG by Business, 2011-H1 2013  
Regional Revenue of NSG by Business, H1 FY2013  
Regional Operating Profit of NSG by Business, H1 FY2013  
Revenue of NSG by Business, H1 FY2013  
Revenue and Gross Margin of Corning, 2006-2012  
Revenue of Corning by Business, 2009-Q3 2012  
Revenue of NEC by Client, FY2011-FY2012  
Revenue of NEG by Region, FY2011-FY2012  
Revenue and Operating Margin of G-Tech Optoelectronics Corp., 2005-2012  
Monthly Revenue of G-Tech Optoelectronics Corp., Sep.2010-Sep.,2012  
Global Presence of G-Tech Optoelectronics Corp.  
Revenue of G-Tech Optoelectronics Corp. by Product, 2010-Q3/2012  
Production Capacity of G-Tech Optoelectronics Corp., 4Q/12  
Revenue and Operating Profit of Firstar Panel, 2008-2013  
Revenue of Firstar Panel from Direct Customer, 2009-2011  
Revenue of Firstar Panel from Indirect Customer, 2009-2011  
Monthly Revenue of Luminous Optical Technology (LOT), Sep.2010-Sep.2012  
Monthly Revenue of Candmark Electroptics, Sep. 2011-Sep., 2012



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