Large Sized AMOLED TECHNOLOGY & MARKET – 2017

Jerry Kang, Senior Principal Analyst – OLED & Emerging Display Technology / June 2017

Large sized AMOLED market MARKET WILL GROW UP TO $5.4 BILLION BY 2023.

The shipment unit of AMOLED TV panel is expected to reach 1.5 Million units in 2017 and exceed 10 Million pieces in 2023. The price gap between LCD & OLED is still high, because LCD panel prices can be lowered more easily through larger generation and higher yields than OLED displays.

Although the AMOLED TV demand is not increasing sharply, the net supply area is expected to be tight due to less glass cutting rate of 65 inches panel in Gen8 substrate. Gen 8 fab is not optimized to manufacture 65- and 77-inch panels. AMOLED Gen10.5 has been never tried by any panel makers yet. So, the expenses for investing the first Gen10.5 fab will charge the high development cost of initial equipment.

Key Issues Addressed
- Which suppliers are being focused in this industry?
- How are the status of each suppliers?
- How does the manufacturing process flow?
- What is the critical point of each process?
- How are the status of each AMOLED panel makers?
- How much can AMOLED shadow mask market grow?
- How much will the capacity of AMOLED be increased?

Applicable To
- Strategy Planning
  - OLED Supply Chains
- Display Application Set Makers
  - OEM, ODM, EMS
  - Mobile Operators
- Financial Investors
  - Fund Managers & Investor Companies
  - Analysts with interest in Display Industries
### Table of Contents

**Executive Summary**

Chapter 1 Demand Trend
- 1.1. TV
- 1.2. Tablet PC
- 1.3. Note PC
- 1.4. Industrial
- 1.5. Others

Chapter 2 Supplier Strategy
- 2.1. Supply Chain Analysis
  - 1. Epson & Tokyo Electronics
  - 2. Juhua Printing
- 2.2. Details of Suppliers
  - 1 AU Optronics
  - 2. BOE Technologies
  - 3. China Star Opto-Electronics Technologies
  - 4. JOLED
  - 5. LG Display
  - 6. Samsung Display
  - 7. Sony

Chapter 3 Technology Development
- 3.1. Technology Roadmap
- 3.2. Backplane
- 3.3. Color Patterning
- 3.4. Transparent
- 3.5. Emitting Layer
- 3.6. Emitting Direction
- 3.7. Encapsulation

Chapter 4 Market Forecast
- 4.1. Large sized AMOLED Market Forecast
- 4.2. TV AMOLED Market
- 4.3. Tablet PC Market
- 4.4. Public Display Market
- 4.5. Cost Structure
- 4.6. AMOLED Supply Capacity Forecast

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Jerry Kang is responsible for the OLED display market analysis at IHS. His main focus is the AMOLED panel and the next generation display market including flexible and transparent display with AMOLED. With more than 10 years of industry experience, Jerry is known for his professional analysis and strategic insights on the technology and market for OLED display. He is frequently quoted in media, and is invited to speak at major conferences worldwide.

Prior to joining IHS in 2011, Jerry worked as an OLED development engineer for Samsung SDI and Samsung Mobile Display for almost six years, in charge of operational circuit designing for OLED and LCD. He also worked as a researcher at the Media & Broadcasting System.

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