

# Global TFT-LCD Photomask Market Insights, Forecast to 2026

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## Abstracts

TFT-LCD Photomask market. Photomask consists of a fused silica (QZ) or, glass (SL) substrate coated with an opaque film, in to which an accurate replication of the device designer's pattern is etched. Photomask has a similar function as a film used in photography. Just like the identical pictures are printed from the film, photomask can reproduce thousands of circuits and patterns. The photolithography technique is employed in the photomask manufacturing process to create chrome pattern on a quartz substrate. The finished photomask is then used as photographic plates for LSI, LCD, PCB, etc.

Owing to the increasing popularization of flat-panel TVs, the LCD panel market has grown substantially during the past ten years. As part of this trend, photomasks have also become larger year by year in response to the development of TVs with larger screens.

At present, in developed countries, the Photomask industry is generally at a more advanced level. The world's large enterprises are mainly concentrated in Japan and Taiwan. Meanwhile, foreign companies have more advanced equipment, strong R & D capability, and leading technical level. However, foreign companies' manufacturing cost is relatively higher, compared with Chinese companies. With the development of Chinese LCD panel line, their share in the international market is increasing, and competitiveness in the international market gradually increases.

Panel manufacturers in South Korea and other regions are planning to continue to shut down old LCD panel production lines. While an overall shift to OLED production lines is expected, manufacturers in China are planning to investment in LCD panel lines. BOE Technology Group, China's largest LCD panel manufacturer, announced plans to build the world's largest Gen-10.5 LCD panel fabrication plant that will use glass substrates. In addition, China Star Optoelectronics Technology (CSOT) revealed plans to construct a Gen-11 TFT-LCD panel fabrication plant. LCD panel production capacity in China is

forecast to surpass that of South Korea and Taiwan combined.

China's Photomask industry has developed into a national wide status with certain research and production capacity, industry product mix has gradually improved, currently. China has become a large international consumption region of Photomask, but the production technology is relatively laggard to produce some low-end product. Although the new production lines are increasing, and the high-end product is still relying on import. Our research team believe that the development of Photomask for LCD depend on the growth in China.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the TFT-LCD Photomask 3900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the TFT-LCD Photomask 3900 industry.

Based on our recent survey, we have several different scenarios about the TFT-LCD Photomask 3900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 1031.1 million in 2019. The market size of TFT-LCD Photomask 3900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global TFT-LCD Photomask market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global TFT-LCD Photomask market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global TFT-LCD Photomask market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

**Sales and Pricing Analyses**

Readers are provided with deeper sales analysis and pricing analysis for the global TFT-LCD Photomask market. As part of sales analysis, the report offers accurate statistics and figures for sales and revenue by region, by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for the price by players and price by region for the period 2015-2020 and price by each type segment for the period 2015-2020.

### Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global TFT-LCD Photomask market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of sales for the period 2015-2026.

### Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global TFT-LCD Photomask market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global TFT-LCD Photomask market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global TFT-LCD Photomask market.

The following manufacturers are covered in this report:

Hoya Corporation

Dai Nippon Printing Co., Ltd

SK-Electronics

Toppan Photomasks, Inc

Photronics(PKL)

LG Innotek

Shenzhen Qingyi Photomask

Shenzhen Newway Photomask

Taiwan Mask Corporation

#### TFT-LCD Photomask Breakdown Data by Type

Soda-lime

Synthetic Quartz

#### TFT-LCD Photomask Breakdown Data by Application

LCD TV

Smartphone

LCD Monitor

Notebook and Tablet

Other

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