

# TFT-LCD and OLED Masks Market, Global Outlook and Forecast 2022-2028

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# Abstracts

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.

Fine Metal Mask (FMM) is a metal material board that is thinner than paper, and is a consumable core component for the production of organic light-emitting diode (OLED) displays. FMM has many microscopic holes that are invisible to the naked eye. Its main role is to deposit RGB organic substances and form pixels during the AMOLED production process to ensure the resolution and yield of the panel. It is a core and challenging technology in the production of UHD displays, and it is expected to have high growth potential as a new market in the future.

This report contains market size and forecasts of TFT-LCD and OLED Masks in global, including the following market information:

Global TFT-LCD and OLED Masks Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global TFT-LCD and OLED Masks Market Sales, 2017-2022, 2023-2028, (K Sqm)

Global top five TFT-LCD and OLED Masks companies in 2021 (%)

The global TFT-LCD and OLED Masks market was valued at million in 2021 and is



projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

TFT-LCD Photomask Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of TFT-LCD and OLED Masks include SK-Electronics, Hoya Corporation, LG Innotek, Photronics (PKL), Dai Nippon Printing, Shenzhen Qingyi Photomask, Samsung, Toppan and Taiwan Mask Corporation, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the TFT-LCD and OLED Masks manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global TFT-LCD and OLED Masks Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Sqm)

Global TFT-LCD and OLED Masks Market Segment Percentages, by Type, 2021 (%)

TFT-LCD Photomask

Fine Metal Mask (FMM) for OLED

Open Mask for OLED

Others

Global TFT-LCD and OLED Masks Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Sqm)

Global TFT-LCD and OLED Masks Market Segment Percentages, by Application, 2021



(%)

ΤV

Smartphone

LCD Monitor

Notebook and Tablet

Others

Global TFT-LCD and OLED Masks Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Sqm)

Global TFT-LCD and OLED Masks Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia



#### Nordic Countries

Benelux

Rest of Europe

#### Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

#### South America

Brazil

#### Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa



**Competitor Analysis** 

The report also provides analysis of leading market participants including:

Key companies TFT-LCD and OLED Masks revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies TFT-LCD and OLED Masks revenues share in global market, 2021 (%)

Key companies TFT-LCD and OLED Masks sales in global market, 2017-2022 (Estimated), (K Sqm)

Key companies TFT-LCD and OLED Masks sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

**SK-Electronics** 

Hoya Corporation

LG Innotek

Photronics (PKL)

Dai Nippon Printing

Shenzhen Qingyi Photomask

Samsung

Toppan

Taiwan Mask Corporation

Shenzhen Newway Photomask

TOPWINTECH



Darwin

Sewoo incorporation



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