

# Global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market size was valued at US\$ 298 million in 2025 and is forecast to a readjusted size of US\$ 471 million by 2032 with a CAGR of 6.7% during review period.

Flat Panel Display (FPD) Etching Equipment Surface Treatment Services refer to industrial-grade surface treatment, cleaning, and regeneration services provided for key components in the etching process equipment used in display panel manufacturing. These services aim to ensure component performance, extend lifespan, and improve panel production yield. Display panel cleaning typically tolerates particle size exceeding 0.5 $\mu$ m and has low sensitivity to metal ion contamination. The oxide film thickness in the anodizing process of display panels is typically 5-50 $\mu$ m (e.g., in the thin-film deposition stage). The porosity requirements for coating technologies such as plasma lamination of display panels are typically 1-3%. In 2025, the global gross margin for Flat Panel Display (FPD) Etching Equipment Surface Treatment Services was approximately 24.7%, with downstream customers including BOE, TCL CSOT, Tianma Microelectronics, and AU Optronics.

This report is a detailed and comprehensive analysis for global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the

year 2025, are provided.

### **Key Features:**

Global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market shares of main players, in revenue (\$ Million), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Flat Panel Display (FPD) Etching Equipment Surface Treatment Services

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kurita, Enpro Industries (LeanTeq & NxEdge), TOCALO Co., Ltd., Mitsubishi Chemical?Cleanpart?, Hansol IONES, WONIK QnC, DFtech, Frontken Corporation, Persys Group, MSR-FSR, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market segmentation**

Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by

Application. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Precision Cleaning

Anodizing

Coating & Thermal Spray

#### Market segment by Component

Metallic Material Components

Non-metallic Material Components (Advanced Ceramics)

#### Market segment by Suppliers

Equipment Manufacturer

Third-party Surface Treatment Services

#### Market segment by Application

LCD Manufacturing Equipment

OLED Manufacturing Equipment

#### Market segment by players, this report covers

Kurita

Enpro Industries (LeanTeq & NxEdge)

TOCALO Co., Ltd.

Mitsubishi Chemical?Cleanpart?

Hansol IONES

WONIK QnC

DFtech

Frontken Corporation

Persys Group

MSR-FSR

Value Engineering Co., Ltd

Neutron Technology

Foamtec International

ULVAC Technologies

Nikkoshi

Ferrotec Global(Ferrotec (An Hui) Technology Development Co., Ltd.)

Cinos(CINOS Xi'an Clean Technology Co., Ltd.)

KoMiCo

Hefei Weirui Technology Co., Ltd.

GEMtek Corporation

Chongqing Genori Industrial Co., Ltd.

Shih-Her Technologies Inc.

Suzhou Kematek, Inc.

Kertz Co., Ltd.

Hung Jie Technology Corporation

HCUT

Shanghai Companion Precision Ceramics Co., Ltd.

Beijing Grand Ray Tech Co., Ltd.

HTC & Solar Tech Service Ltd.

PNC Process Systems Co.,Ltd

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Flat Panel Display (FPD) Etching Equipment Surface Treatment Services product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Flat Panel Display (FPD) Etching Equipment Surface Treatment Services, with revenue, gross margin, and global market share of Flat Panel Display (FPD) Etching Equipment Surface Treatment Services from 2021 to 2026.

Chapter 3, the Flat Panel Display (FPD) Etching Equipment Surface Treatment Services competitive situation, revenue, and global market share of top players are analyzed

emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Flat Panel Display (FPD) Etching Equipment Surface Treatment Services market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Flat Panel Display (FPD) Etching Equipment Surface Treatment Services.

Chapter 13, to describe Flat Panel Display (FPD) Etching Equipment Surface Treatment Services research findings and conclusion.

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