

# Global Laser Equipment for Through-glass Via (TGV) Processes Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Laser Equipment for Through-glass Via (TGV) Processes market size was valued at US\$ 171 million in 2025 and is forecast to a readjusted size of US\$ 625 million by 2032 with a CAGR of 20.6% during review period.

Laser Equipment for Through glass Via TGV Processes is a device used for high-precision laser processing on the glass surface, mainly used in glass drilling, cutting and marking processes. The equipment uses the high energy density of the laser beam to accurately drill or cut glass, and has the advantages of non-contact, high efficiency, and no heat-affected zone.

The TGV (Through Glass Via) glass through-hole laser equipment market is experiencing rapid growth, thanks to the strong demand for miniaturized and high-performance electronic products in the fields of smartphones, IoT devices, automotive electronics, etc. TGV technology achieves electrical connections on glass substrates through precise laser drilling, and is an indispensable part of electronic components. Compared with traditional circuit board manufacturing technology, the TGV process not only has higher precision in drilling holes on glass substrates, but also meets the needs of high-frequency and high-speed transmission. Therefore, it occupies an important position in high-tech applications such as 5G communications, automotive sensors, and smart wearable devices.

With the increasing complexity of smart devices and automotive electronic systems, the demand for higher density and smaller glass circuit boards continues to increase, and the market prospects of TGV glass through-hole laser equipment are very broad.

Especially in the Asian market, the electronic manufacturing industry in regions such as China, Japan, and South Korea has become an important driving force in the global market, especially in the manufacturing of smartphones and consumer electronics, the application of TGV technology is increasing.

In addition, the continuous advancement of laser technology itself has also provided impetus for the growth of the TGV market. With the improvement of laser accuracy and processing speed, the production efficiency and cost-effectiveness of TGV laser equipment have gradually improved, which has promoted the adoption of more companies. In the next few years, the TGV glass through-hole laser equipment market is expected to continue to expand. Technological innovation and demand growth will drive further development in this field and become an important part of the electronics manufacturing industry that cannot be ignored.

This report is a detailed and comprehensive analysis for global Laser Equipment for Through-glass Via (TGV) Processes market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Laser Equipment for Through-glass Via (TGV) Processes market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Laser Equipment for Through-glass Via (TGV) Processes market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Laser Equipment for Through-glass Via (TGV) Processes market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Laser Equipment for Through-glass Via (TGV) Processes market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit),

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 Laser Equipment for Through-glass Via (TGV) Processes

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 Laser Equipment for Through-glass Via (TGV) Processes market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include LPKF Laser & Electronics, 4JET, Philoptics, WOP, Ekspla, DR Laser, Smeiic, Hymson Laser Technology Group, Hubei W-Olf Photoelectric Technology, Manz AG, etc.

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

### **Market Segmentation**

Laser Equipment for Through-glass Via (TGV) Processes 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Laser Induced Etching

Other

#### Market segment by Application

Artificial Intelligence

Data Centers

Autonomous Vehicles

High-performance Computing

#### Major players covered

LPKF Laser & Electronics

4JET

Phloptics

WOP

Ekspla

DR Laser

Smeic

Hymson Laser Technology Group

Hubei W-Olf Photoelectric Technology

Manz AG

Suzhou Delphi Laser

Han's Laser Technology Industry Group

Cdmicrotech

China Wafer Level CSP

JCET Group

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Laser Equipment for Through-glass Via (TGV) Processes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Laser Equipment for Through-glass Via (TGV) Processes, with price, sales quantity, revenue, and global market share of Laser Equipment for Through-glass Via (TGV) Processes from 2021 to 2026.

Chapter 3, the Laser Equipment for Through-glass Via (TGV) Processes competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Laser Equipment for Through-glass Via (TGV) Processes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Laser Equipment for Through-glass Via (TGV) Processes market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Laser Equipment for Through-glass Via (TGV) Processes.

Chapter 14 and 15, to describe Laser Equipment for Through-glass Via (TGV) Processes sales channel, distributors, customers, research findings and conclusion.

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