

# Global Micro Drilling Machines Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Micro Drilling Machines market size is expected to reach \$ 1943 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

Micro drilling machines are precision tools used for drilling very small holes, typically in the range of 0.1 mm to 1.0 mm in diameter. These machines are designed to perform high-precision drilling on delicate and miniature components, where accuracy, minimal material waste, and fine details are critical. Micro drilling is often used in industries such as electronics, medical devices, aerospace, automotive, and manufacturing of small mechanical parts. In 2025, global Micro Drilling Machines production reached approximately 3894 units, with an average global market price of around US\$355 k used per unit. The production capacity for Micro Drilling Machines in 2025 was approximately 4000 units. The typical gross profit margin for Micro Drilling Machines is between 20% and 40%.

The Micro Drilling Machines market is driven by the increasing demand for high-precision manufacturing in electronics, semiconductors, PCB fabrication, medical devices, and advanced industrial components. Micro drilling machines are used to produce extremely small and high-aspect-ratio holes, typically in the micron range, with high positional accuracy and repeatability. Market growth is supported by trends such as miniaturization of electronic devices, higher-density PCBs and IC substrates, and the expansion of applications in medical and aerospace industries. Asia-Pacific dominates the market due to its strong electronics and semiconductor manufacturing base, while key technological trends focus on higher spindle speeds, laser-assisted drilling, automation, and integration with advanced motion control systems.

This report studies the global Micro Drilling Machines production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Micro Drilling Machines and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Micro Drilling Machines that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Micro Drilling Machines total production and demand, 2021-2032, (Units)

Global Micro Drilling Machines total production value, 2021-2032, (USD Million)

Global Micro Drilling Machines production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Micro Drilling Machines consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Micro Drilling Machines domestic production, consumption, key domestic manufacturers and share

Global Micro Drilling Machines production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Micro Drilling Machines production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Micro Drilling Machines production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Micro Drilling Machines market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Mitsubishi Electric, ESI (MKS Instruments), Via Mechanics, Han's Laser, Trumpf, EO Technics, Orbotech (KLA), Sumitomo Heavy Industries, Tongtai, FitTech, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Micro Drilling Machines market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Micro Drilling Machines Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Micro Drilling Machines Market, Segmentation by Type:

CO2 PCB Laser Drilling Machine

UV PCB Laser Drilling Machine

Others

#### Global Micro Drilling Machines Market, Segmentation by Laser Working Mode:

CW Laser

Pulsed Laser

Others

### Global Micro Drilling Machines Market, Segmentation by Machining Hole Type:

Blind Via

Microvia

Others

### Global Micro Drilling Machines Market, Segmentation by Application:

Consumer Electronics

Communications

Automotive Electronics

Computers & Servers

Others

### Companies Profiled:

Mitsubishi Electric

ESI (MKS Instruments)

Via Mechanics

Han's Laser

Trumpf

EO Technics

Orbotech (KLA)

Sumitomo Heavy Industries

Tongtai

FitTech

LPKF

HGTECH

Schmoll Maschinen

InnoLas Solutions (Photonics Systems)

Suzhou Delphi Laser

**Key Questions Answered:**

1. How big is the global Micro Drilling Machines market?
2. What is the demand of the global Micro Drilling Machines market?
3. What is the year over year growth of the global Micro Drilling Machines market?
4. What is the production and production value of the global Micro Drilling Machines market?
5. Who are the key producers in the global Micro Drilling Machines market?
6. What are the growth factors driving the market demand?

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