

# Global Ultrafast Lasers for Micromachining Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GAB684F1CA65EN.html>

Date: July 2024

Pages: 117

Price: US\$ 3,480.00 (Single User License)

ID: GAB684F1CA65EN

## Abstracts

According to our (Global Info Research) latest study, the global Ultrafast Lasers for Micromachining market size was valued at USD 606 million in 2022 and is forecast to a readjusted size of USD 1244.3 million by 2029 with a CAGR of 10.8% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Micromachining has some very specific processing requirements, chief among which are quality, dimensional accuracy, debris management, and the thermal impact of the process on the part. The actual definition of micromachining is somewhat vague. In general terms, it usually means creating feature sizes of 1 millimeter (mm) or smaller in materials that are 1mm thick or even thinner. The micromachining umbrella includes cutting, drilling, scribing, ablation, and texturing processes, each of which requires material removal.

The term “ultra-fast” does not refer to how quickly the laser processes, but rather to the pulse duration of the laser. For many years, lasers with pulse durations in the nanoseconds (ns) (10<sup>-9</sup>s, or one billionth of a second) were used, which provided a certain level of processing. Now, It has graduated to ultra-fast or ultra-short pulse lasers, with pulse durations measured in picoseconds (ps) (10<sup>-12</sup>s, or a thousandth of a nanosecond) and femtoseconds (fs) (10<sup>-15</sup>s, or a millionth of a nanosecond). The laser is a great micromachining tool – it offers the benefits of a non-contact “tool-less” process, optical spot sizes less than 10 microns, and extreme control on how much material is removed, down to the micron level. Micromachining processes use lasers that operate in “pulsed mode,” so the optical energy is delivered to the material by discrete pulses that have a certain time duration, frequency (repetition rate) and power level.

This report is a detailed and comprehensive analysis for global Ultrafast Lasers for Micromachining 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 2023, are provided.

#### Key Features:

Global Ultrafast Lasers for Micromachining market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Ultrafast Lasers for Micromachining market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Ultrafast Lasers for Micromachining market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Ultrafast Lasers for Micromachining market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

#### 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 Ultrafast Lasers for Micromachining

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 Ultrafast Lasers for Micromachining 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 Trumpf, Coherent, IPG Photonics, Newport and Amplitude Laser Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Ultrafast Lasers for Micromachining market is split by Type and by Application. For the period 2018-2029, 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

Femtosecond

Picosecond

### Market segment by Application

Automotive

Semiconductor

Electronic

Medical and Life Sciences

Others

### Major players covered

Trumpf

Coherent

IPG Photonics

Newport

Amplitude Laser Group

Novanta

Lumentum

IMRA America

NKT Photonics

Clark-MXR

Ekspla

Huaray Precision Laser

Yangtze Soton Laser (YSL)

Bellin Laser

NPI Lasers

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 Ultrafast Lasers for Micromachining product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ultrafast Lasers for Micromachining, with price, sales, revenue and global market share of Ultrafast Lasers for Micromachining from 2018 to 2023.

Chapter 3, the Ultrafast Lasers for Micromachining competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ultrafast Lasers for Micromachining breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Ultrafast Lasers for Micromachining market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Ultrafast Lasers for Micromachining.

Chapter 14 and 15, to describe Ultrafast Lasers for Micromachining sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Ultrafast Lasers for Micromachining
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Ultrafast Lasers for Micromachining Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Femtosecond
  - 1.3.3 Picosecond
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Ultrafast Lasers for Micromachining Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Automotive
  - 1.4.3 Semiconductor
  - 1.4.4 Electronic
  - 1.4.5 Medical and Life Sciences
  - 1.4.6 Others
- 1.5 Global Ultrafast Lasers for Micromachining Market Size & Forecast
  - 1.5.1 Global Ultrafast Lasers for Micromachining Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Ultrafast Lasers for Micromachining Sales Quantity (2018-2029)
  - 1.5.3 Global Ultrafast Lasers for Micromachining Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Trumpf
  - 2.1.1 Trumpf Details
  - 2.1.2 Trumpf Major Business
  - 2.1.3 Trumpf Ultrafast Lasers for Micromachining Product and Services
  - 2.1.4 Trumpf Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Trumpf Recent Developments/Updates
- 2.2 Coherent
  - 2.2.1 Coherent Details
  - 2.2.2 Coherent Major Business
  - 2.2.3 Coherent Ultrafast Lasers for Micromachining Product and Services
  - 2.2.4 Coherent Ultrafast Lasers for Micromachining Sales Quantity, Average Price,

## Revenue, Gross Margin and Market Share (2018-2023)

### 2.2.5 Coherent Recent Developments/Updates

## 2.3 IPG Photonics

### 2.3.1 IPG Photonics Details

### 2.3.2 IPG Photonics Major Business

### 2.3.3 IPG Photonics Ultrafast Lasers for Micromachining Product and Services

### 2.3.4 IPG Photonics Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.3.5 IPG Photonics Recent Developments/Updates

## 2.4 Newport

### 2.4.1 Newport Details

### 2.4.2 Newport Major Business

### 2.4.3 Newport Ultrafast Lasers for Micromachining Product and Services

### 2.4.4 Newport Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.4.5 Newport Recent Developments/Updates

## 2.5 Amplitude Laser Group

### 2.5.1 Amplitude Laser Group Details

### 2.5.2 Amplitude Laser Group Major Business

### 2.5.3 Amplitude Laser Group Ultrafast Lasers for Micromachining Product and Services

### 2.5.4 Amplitude Laser Group Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.5.5 Amplitude Laser Group Recent Developments/Updates

## 2.6 Novanta

### 2.6.1 Novanta Details

### 2.6.2 Novanta Major Business

### 2.6.3 Novanta Ultrafast Lasers for Micromachining Product and Services

### 2.6.4 Novanta Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.6.5 Novanta Recent Developments/Updates

## 2.7 Lumentum

### 2.7.1 Lumentum Details

### 2.7.2 Lumentum Major Business

### 2.7.3 Lumentum Ultrafast Lasers for Micromachining Product and Services

### 2.7.4 Lumentum Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.7.5 Lumentum Recent Developments/Updates

## 2.8 IMRA America

- 2.8.1 IMRA America Details
- 2.8.2 IMRA America Major Business
- 2.8.3 IMRA America Ultrafast Lasers for Micromachining Product and Services
- 2.8.4 IMRA America Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 IMRA America Recent Developments/Updates
- 2.9 NKT Photonics
  - 2.9.1 NKT Photonics Details
  - 2.9.2 NKT Photonics Major Business
  - 2.9.3 NKT Photonics Ultrafast Lasers for Micromachining Product and Services
  - 2.9.4 NKT Photonics Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.9.5 NKT Photonics Recent Developments/Updates
- 2.10 Clark-MXR
  - 2.10.1 Clark-MXR Details
  - 2.10.2 Clark-MXR Major Business
  - 2.10.3 Clark-MXR Ultrafast Lasers for Micromachining Product and Services
  - 2.10.4 Clark-MXR Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.10.5 Clark-MXR Recent Developments/Updates
- 2.11 Ekspla
  - 2.11.1 Ekspla Details
  - 2.11.2 Ekspla Major Business
  - 2.11.3 Ekspla Ultrafast Lasers for Micromachining Product and Services
  - 2.11.4 Ekspla Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.11.5 Ekspla Recent Developments/Updates
- 2.12 Huaray Precision Laser
  - 2.12.1 Huaray Precision Laser Details
  - 2.12.2 Huaray Precision Laser Major Business
  - 2.12.3 Huaray Precision Laser Ultrafast Lasers for Micromachining Product and Services
  - 2.12.4 Huaray Precision Laser Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.12.5 Huaray Precision Laser Recent Developments/Updates
- 2.13 Yangtze Soton Laser (YSL)
  - 2.13.1 Yangtze Soton Laser (YSL) Details
  - 2.13.2 Yangtze Soton Laser (YSL) Major Business
  - 2.13.3 Yangtze Soton Laser (YSL) Ultrafast Lasers for Micromachining Product and



## Services

2.13.4 Yangtze Soton Laser (YSL) Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 Yangtze Soton Laser (YSL) Recent Developments/Updates

## 2.14 Bellin Laser

2.14.1 Bellin Laser Details

2.14.2 Bellin Laser Major Business

2.14.3 Bellin Laser Ultrafast Lasers for Micromachining Product and Services

2.14.4 Bellin Laser Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 Bellin Laser Recent Developments/Updates

## 2.15 NPI Lasers

2.15.1 NPI Lasers Details

2.15.2 NPI Lasers Major Business

2.15.3 NPI Lasers Ultrafast Lasers for Micromachining Product and Services

2.15.4 NPI Lasers Ultrafast Lasers for Micromachining Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.15.5 NPI Lasers Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: ULTRAFAST LASERS FOR MICROMACHINING BY MANUFACTURER**

3.1 Global Ultrafast Lasers for Micromachining Sales Quantity by Manufacturer (2018-2023)

3.2 Global Ultrafast Lasers for Micromachining Revenue by Manufacturer (2018-2023)

3.3 Global Ultrafast Lasers for Micromachining Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of Ultrafast Lasers for Micromachining by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 Ultrafast Lasers for Micromachining Manufacturer Market Share in 2022

3.4.2 Top 6 Ultrafast Lasers for Micromachining Manufacturer Market Share in 2022

3.5 Ultrafast Lasers for Micromachining Market: Overall Company Footprint Analysis

3.5.1 Ultrafast Lasers for Micromachining Market: Region Footprint

3.5.2 Ultrafast Lasers for Micromachining Market: Company Product Type Footprint

3.5.3 Ultrafast Lasers for Micromachining Market: Company Product Application

Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

### 4.1 Global Ultrafast Lasers for Micromachining Market Size by Region

4.1.1 Global Ultrafast Lasers for Micromachining Sales Quantity by Region  
(2018-2029)

4.1.2 Global Ultrafast Lasers for Micromachining Consumption Value by Region  
(2018-2029)

4.1.3 Global Ultrafast Lasers for Micromachining Average Price by Region  
(2018-2029)

4.2 North America Ultrafast Lasers for Micromachining Consumption Value (2018-2029)

4.3 Europe Ultrafast Lasers for Micromachining Consumption Value (2018-2029)

4.4 Asia-Pacific Ultrafast Lasers for Micromachining Consumption Value (2018-2029)

4.5 South America Ultrafast Lasers for Micromachining Consumption Value (2018-2029)

4.6 Middle East and Africa Ultrafast Lasers for Micromachining Consumption Value  
(2018-2029)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2029)

5.2 Global Ultrafast Lasers for Micromachining Consumption Value by Type  
(2018-2029)

5.3 Global Ultrafast Lasers for Micromachining Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Ultrafast Lasers for Micromachining Sales Quantity by Application  
(2018-2029)

6.2 Global Ultrafast Lasers for Micromachining Consumption Value by Application  
(2018-2029)

6.3 Global Ultrafast Lasers for Micromachining Average Price by Application  
(2018-2029)

## **7 NORTH AMERICA**

7.1 North America Ultrafast Lasers for Micromachining Sales Quantity by Type  
(2018-2029)

7.2 North America Ultrafast Lasers for Micromachining Sales Quantity by Application  
(2018-2029)

### 7.3 North America Ultrafast Lasers for Micromachining Market Size by Country

7.3.1 North America Ultrafast Lasers for Micromachining Sales Quantity by Country (2018-2029)

7.3.2 North America Ultrafast Lasers for Micromachining Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2029)

8.2 Europe Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2029)

8.3 Europe Ultrafast Lasers for Micromachining Market Size by Country

8.3.1 Europe Ultrafast Lasers for Micromachining Sales Quantity by Country (2018-2029)

8.3.2 Europe Ultrafast Lasers for Micromachining Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Ultrafast Lasers for Micromachining Market Size by Region

9.3.1 Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Ultrafast Lasers for Micromachining Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

- 9.3.6 India Market Size and Forecast (2018-2029)
- 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

- 10.1 South America Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2029)
- 10.2 South America Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2029)
- 10.3 South America Ultrafast Lasers for Micromachining Market Size by Country
  - 10.3.1 South America Ultrafast Lasers for Micromachining Sales Quantity by Country (2018-2029)
  - 10.3.2 South America Ultrafast Lasers for Micromachining Consumption Value by Country (2018-2029)
  - 10.3.3 Brazil Market Size and Forecast (2018-2029)
  - 10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Ultrafast Lasers for Micromachining Market Size by Country
  - 11.3.1 Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Country (2018-2029)
  - 11.3.2 Middle East & Africa Ultrafast Lasers for Micromachining Consumption Value by Country (2018-2029)
  - 11.3.3 Turkey Market Size and Forecast (2018-2029)
  - 11.3.4 Egypt Market Size and Forecast (2018-2029)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
  - 11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

- 12.1 Ultrafast Lasers for Micromachining Market Drivers
- 12.2 Ultrafast Lasers for Micromachining Market Restraints
- 12.3 Ultrafast Lasers for Micromachining Trends Analysis

## 12.4 Porters Five Forces Analysis

- 12.4.1 Threat of New Entrants
- 12.4.2 Bargaining Power of Suppliers
- 12.4.3 Bargaining Power of Buyers
- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

## 12.5 Influence of COVID-19 and Russia-Ukraine War

- 12.5.1 Influence of COVID-19
- 12.5.2 Influence of Russia-Ukraine War

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

### 13.1 Raw Material of Ultrafast Lasers for Micromachining and Key Manufacturers

### 13.2 Manufacturing Costs Percentage of Ultrafast Lasers for Micromachining

### 13.3 Ultrafast Lasers for Micromachining Production Process

### 13.4 Ultrafast Lasers for Micromachining Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

### 14.1 Sales Channel

- 14.1.1 Direct to End-User
- 14.1.2 Distributors

### 14.2 Ultrafast Lasers for Micromachining Typical Distributors

### 14.3 Ultrafast Lasers for Micromachining Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

### 16.1 Methodology

### 16.2 Research Process and Data Source

### 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Ultrafast Lasers for Micromachining Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Ultrafast Lasers for Micromachining Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Trumpf Basic Information, Manufacturing Base and Competitors

Table 4. Trumpf Major Business

Table 5. Trumpf Ultrafast Lasers for Micromachining Product and Services

Table 6. Trumpf Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Trumpf Recent Developments/Updates

Table 8. Coherent Basic Information, Manufacturing Base and Competitors

Table 9. Coherent Major Business

Table 10. Coherent Ultrafast Lasers for Micromachining Product and Services

Table 11. Coherent Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Coherent Recent Developments/Updates

Table 13. IPG Photonics Basic Information, Manufacturing Base and Competitors

Table 14. IPG Photonics Major Business

Table 15. IPG Photonics Ultrafast Lasers for Micromachining Product and Services

Table 16. IPG Photonics Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. IPG Photonics Recent Developments/Updates

Table 18. Newport Basic Information, Manufacturing Base and Competitors

Table 19. Newport Major Business

Table 20. Newport Ultrafast Lasers for Micromachining Product and Services

Table 21. Newport Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Newport Recent Developments/Updates

Table 23. Amplitude Laser Group Basic Information, Manufacturing Base and Competitors

Table 24. Amplitude Laser Group Major Business

Table 25. Amplitude Laser Group Ultrafast Lasers for Micromachining Product and

## Services

Table 26. Amplitude Laser Group Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Amplitude Laser Group Recent Developments/Updates

Table 28. Novanta Basic Information, Manufacturing Base and Competitors

Table 29. Novanta Major Business

Table 30. Novanta Ultrafast Lasers for Micromachining Product and Services

Table 31. Novanta Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Novanta Recent Developments/Updates

Table 33. Lumentum Basic Information, Manufacturing Base and Competitors

Table 34. Lumentum Major Business

Table 35. Lumentum Ultrafast Lasers for Micromachining Product and Services

Table 36. Lumentum Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Lumentum Recent Developments/Updates

Table 38. IMRA America Basic Information, Manufacturing Base and Competitors

Table 39. IMRA America Major Business

Table 40. IMRA America Ultrafast Lasers for Micromachining Product and Services

Table 41. IMRA America Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. IMRA America Recent Developments/Updates

Table 43. NKT Photonics Basic Information, Manufacturing Base and Competitors

Table 44. NKT Photonics Major Business

Table 45. NKT Photonics Ultrafast Lasers for Micromachining Product and Services

Table 46. NKT Photonics Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. NKT Photonics Recent Developments/Updates

Table 48. Clark-MXR Basic Information, Manufacturing Base and Competitors

Table 49. Clark-MXR Major Business

Table 50. Clark-MXR Ultrafast Lasers for Micromachining Product and Services

Table 51. Clark-MXR Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

- Table 52. Clark-MXR Recent Developments/Updates
- Table 53. Ekspla Basic Information, Manufacturing Base and Competitors
- Table 54. Ekspla Major Business
- Table 55. Ekspla Ultrafast Lasers for Micromachining Product and Services
- Table 56. Ekspla Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 57. Ekspla Recent Developments/Updates
- Table 58. Huaray Precision Laser Basic Information, Manufacturing Base and Competitors
- Table 59. Huaray Precision Laser Major Business
- Table 60. Huaray Precision Laser Ultrafast Lasers for Micromachining Product and Services
- Table 61. Huaray Precision Laser Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 62. Huaray Precision Laser Recent Developments/Updates
- Table 63. Yangtze Soton Laser (YSL) Basic Information, Manufacturing Base and Competitors
- Table 64. Yangtze Soton Laser (YSL) Major Business
- Table 65. Yangtze Soton Laser (YSL) Ultrafast Lasers for Micromachining Product and Services
- Table 66. Yangtze Soton Laser (YSL) Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 67. Yangtze Soton Laser (YSL) Recent Developments/Updates
- Table 68. Bellin Laser Basic Information, Manufacturing Base and Competitors
- Table 69. Bellin Laser Major Business
- Table 70. Bellin Laser Ultrafast Lasers for Micromachining Product and Services
- Table 71. Bellin Laser Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 72. Bellin Laser Recent Developments/Updates
- Table 73. NPI Lasers Basic Information, Manufacturing Base and Competitors
- Table 74. NPI Lasers Major Business
- Table 75. NPI Lasers Ultrafast Lasers for Micromachining Product and Services
- Table 76. NPI Lasers Ultrafast Lasers for Micromachining Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. NPI Lasers Recent Developments/Updates



Table 78. Global Ultrafast Lasers for Micromachining Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 79. Global Ultrafast Lasers for Micromachining Revenue by Manufacturer (2018-2023) & (USD Million)

Table 80. Global Ultrafast Lasers for Micromachining Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 81. Market Position of Manufacturers in Ultrafast Lasers for Micromachining, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 82. Head Office and Ultrafast Lasers for Micromachining Production Site of Key Manufacturer

Table 83. Ultrafast Lasers for Micromachining Market: Company Product Type Footprint

Table 84. Ultrafast Lasers for Micromachining Market: Company Product Application Footprint

Table 85. Ultrafast Lasers for Micromachining New Market Entrants and Barriers to Market Entry

Table 86. Ultrafast Lasers for Micromachining Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Ultrafast Lasers for Micromachining Sales Quantity by Region (2018-2023) & (K Units)

Table 88. Global Ultrafast Lasers for Micromachining Sales Quantity by Region (2024-2029) & (K Units)

Table 89. Global Ultrafast Lasers for Micromachining Consumption Value by Region (2018-2023) & (USD Million)

Table 90. Global Ultrafast Lasers for Micromachining Consumption Value by Region (2024-2029) & (USD Million)

Table 91. Global Ultrafast Lasers for Micromachining Average Price by Region (2018-2023) & (US\$/Unit)

Table 92. Global Ultrafast Lasers for Micromachining Average Price by Region (2024-2029) & (US\$/Unit)

Table 93. Global Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2023) & (K Units)

Table 94. Global Ultrafast Lasers for Micromachining Sales Quantity by Type (2024-2029) & (K Units)

Table 95. Global Ultrafast Lasers for Micromachining Consumption Value by Type (2018-2023) & (USD Million)

Table 96. Global Ultrafast Lasers for Micromachining Consumption Value by Type (2024-2029) & (USD Million)

Table 97. Global Ultrafast Lasers for Micromachining Average Price by Type (2018-2023) & (US\$/Unit)

Table 98. Global Ultrafast Lasers for Micromachining Average Price by Type (2024-2029) & (US\$/Unit)

Table 99. Global Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2023) & (K Units)

Table 100. Global Ultrafast Lasers for Micromachining Sales Quantity by Application (2024-2029) & (K Units)

Table 101. Global Ultrafast Lasers for Micromachining Consumption Value by Application (2018-2023) & (USD Million)

Table 102. Global Ultrafast Lasers for Micromachining Consumption Value by Application (2024-2029) & (USD Million)

Table 103. Global Ultrafast Lasers for Micromachining Average Price by Application (2018-2023) & (US\$/Unit)

Table 104. Global Ultrafast Lasers for Micromachining Average Price by Application (2024-2029) & (US\$/Unit)

Table 105. North America Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2023) & (K Units)

Table 106. North America Ultrafast Lasers for Micromachining Sales Quantity by Type (2024-2029) & (K Units)

Table 107. North America Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2023) & (K Units)

Table 108. North America Ultrafast Lasers for Micromachining Sales Quantity by Application (2024-2029) & (K Units)

Table 109. North America Ultrafast Lasers for Micromachining Sales Quantity by Country (2018-2023) & (K Units)

Table 110. North America Ultrafast Lasers for Micromachining Sales Quantity by Country (2024-2029) & (K Units)

Table 111. North America Ultrafast Lasers for Micromachining Consumption Value by Country (2018-2023) & (USD Million)

Table 112. North America Ultrafast Lasers for Micromachining Consumption Value by Country (2024-2029) & (USD Million)

Table 113. Europe Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2023) & (K Units)

Table 114. Europe Ultrafast Lasers for Micromachining Sales Quantity by Type (2024-2029) & (K Units)

Table 115. Europe Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2023) & (K Units)

Table 116. Europe Ultrafast Lasers for Micromachining Sales Quantity by Application (2024-2029) & (K Units)

Table 117. Europe Ultrafast Lasers for Micromachining Sales Quantity by Country

(2018-2023) & (K Units)

Table 118. Europe Ultrafast Lasers for Micromachining Sales Quantity by Country

(2024-2029) & (K Units)

Table 119. Europe Ultrafast Lasers for Micromachining Consumption Value by Country

(2018-2023) & (USD Million)

Table 120. Europe Ultrafast Lasers for Micromachining Consumption Value by Country

(2024-2029) & (USD Million)

Table 121. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Type

(2018-2023) & (K Units)

Table 122. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Type

(2024-2029) & (K Units)

Table 123. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by

Application (2018-2023) & (K Units)

Table 124. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by

Application (2024-2029) & (K Units)

Table 125. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Region

(2018-2023) & (K Units)

Table 126. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity by Region

(2024-2029) & (K Units)

Table 127. Asia-Pacific Ultrafast Lasers for Micromachining Consumption Value by

Region (2018-2023) & (USD Million)

Table 128. Asia-Pacific Ultrafast Lasers for Micromachining Consumption Value by

Region (2024-2029) & (USD Million)

Table 129. South America Ultrafast Lasers for Micromachining Sales Quantity by Type

(2018-2023) & (K Units)

Table 130. South America Ultrafast Lasers for Micromachining Sales Quantity by Type

(2024-2029) & (K Units)

Table 131. South America Ultrafast Lasers for Micromachining Sales Quantity by

Application (2018-2023) & (K Units)

Table 132. South America Ultrafast Lasers for Micromachining Sales Quantity by

Application (2024-2029) & (K Units)

Table 133. South America Ultrafast Lasers for Micromachining Sales Quantity by

Country (2018-2023) & (K Units)

Table 134. South America Ultrafast Lasers for Micromachining Sales Quantity by

Country (2024-2029) & (K Units)

Table 135. South America Ultrafast Lasers for Micromachining Consumption Value by

Country (2018-2023) & (USD Million)

Table 136. South America Ultrafast Lasers for Micromachining Consumption Value by

Country (2024-2029) & (USD Million)

Table 137. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Type (2018-2023) & (K Units)

Table 138. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Type (2024-2029) & (K Units)

Table 139. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Application (2018-2023) & (K Units)

Table 140. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Application (2024-2029) & (K Units)

Table 141. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Region (2018-2023) & (K Units)

Table 142. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity by Region (2024-2029) & (K Units)

Table 143. Middle East & Africa Ultrafast Lasers for Micromachining Consumption Value by Region (2018-2023) & (USD Million)

Table 144. Middle East & Africa Ultrafast Lasers for Micromachining Consumption Value by Region (2024-2029) & (USD Million)

Table 145. Ultrafast Lasers for Micromachining Raw Material

Table 146. Key Manufacturers of Ultrafast Lasers for Micromachining Raw Materials

Table 147. Ultrafast Lasers for Micromachining Typical Distributors

Table 148. Ultrafast Lasers for Micromachining Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Ultrafast Lasers for Micromachining Picture
- Figure 2. Global Ultrafast Lasers for Micromachining Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Ultrafast Lasers for Micromachining Consumption Value Market Share by Type in 2022
- Figure 4. Femtosecond Examples
- Figure 5. Picosecond Examples
- Figure 6. Global Ultrafast Lasers for Micromachining Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 7. Global Ultrafast Lasers for Micromachining Consumption Value Market Share by Application in 2022
- Figure 8. Automotive Examples
- Figure 9. Semiconductor Examples
- Figure 10. Electronic Examples
- Figure 11. Medical and Life Sciences Examples
- Figure 12. Others Examples
- Figure 13. Global Ultrafast Lasers for Micromachining Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 14. Global Ultrafast Lasers for Micromachining Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 15. Global Ultrafast Lasers for Micromachining Sales Quantity (2018-2029) & (K Units)
- Figure 16. Global Ultrafast Lasers for Micromachining Average Price (2018-2029) & (US\$/Unit)
- Figure 17. Global Ultrafast Lasers for Micromachining Sales Quantity Market Share by Manufacturer in 2022
- Figure 18. Global Ultrafast Lasers for Micromachining Consumption Value Market Share by Manufacturer in 2022
- Figure 19. Producer Shipments of Ultrafast Lasers for Micromachining by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 20. Top 3 Ultrafast Lasers for Micromachining Manufacturer (Consumption Value) Market Share in 2022
- Figure 21. Top 6 Ultrafast Lasers for Micromachining Manufacturer (Consumption Value) Market Share in 2022
- Figure 22. Global Ultrafast Lasers for Micromachining Sales Quantity Market Share by

Region (2018-2029)

Figure 23. Global Ultrafast Lasers for Micromachining Consumption Value Market Share by Region (2018-2029)

Figure 24. North America Ultrafast Lasers for Micromachining Consumption Value (2018-2029) & (USD Million)

Figure 25. Europe Ultrafast Lasers for Micromachining Consumption Value (2018-2029) & (USD Million)

Figure 26. Asia-Pacific Ultrafast Lasers for Micromachining Consumption Value (2018-2029) & (USD Million)

Figure 27. South America Ultrafast Lasers for Micromachining Consumption Value (2018-2029) & (USD Million)

Figure 28. Middle East & Africa Ultrafast Lasers for Micromachining Consumption Value (2018-2029) & (USD Million)

Figure 29. Global Ultrafast Lasers for Micromachining Sales Quantity Market Share by Type (2018-2029)

Figure 30. Global Ultrafast Lasers for Micromachining Consumption Value Market Share by Type (2018-2029)

Figure 31. Global Ultrafast Lasers for Micromachining Average Price by Type (2018-2029) & (US\$/Unit)

Figure 32. Global Ultrafast Lasers for Micromachining Sales Quantity Market Share by Application (2018-2029)

Figure 33. Global Ultrafast Lasers for Micromachining Consumption Value Market Share by Application (2018-2029)

Figure 34. Global Ultrafast Lasers for Micromachining Average Price by Application (2018-2029) & (US\$/Unit)

Figure 35. North America Ultrafast Lasers for Micromachining Sales Quantity Market Share by Type (2018-2029)

Figure 36. North America Ultrafast Lasers for Micromachining Sales Quantity Market Share by Application (2018-2029)

Figure 37. North America Ultrafast Lasers for Micromachining Sales Quantity Market Share by Country (2018-2029)

Figure 38. North America Ultrafast Lasers for Micromachining Consumption Value Market Share by Country (2018-2029)

Figure 39. United States Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Canada Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Mexico Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Europe Ultrafast Lasers for Micromachining Sales Quantity Market Share by Type (2018-2029)

Figure 43. Europe Ultrafast Lasers for Micromachining Sales Quantity Market Share by Application (2018-2029)

Figure 44. Europe Ultrafast Lasers for Micromachining Sales Quantity Market Share by Country (2018-2029)

Figure 45. Europe Ultrafast Lasers for Micromachining Consumption Value Market Share by Country (2018-2029)

Figure 46. Germany Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. France Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. United Kingdom Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Russia Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Italy Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity Market Share by Type (2018-2029)

Figure 52. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity Market Share by Application (2018-2029)

Figure 53. Asia-Pacific Ultrafast Lasers for Micromachining Sales Quantity Market Share by Region (2018-2029)

Figure 54. Asia-Pacific Ultrafast Lasers for Micromachining Consumption Value Market Share by Region (2018-2029)

Figure 55. China Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. Japan Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Korea Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. India Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Southeast Asia Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Australia Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. South America Ultrafast Lasers for Micromachining Sales Quantity Market

Share by Type (2018-2029)

Figure 62. South America Ultrafast Lasers for Micromachining Sales Quantity Market Share by Application (2018-2029)

Figure 63. South America Ultrafast Lasers for Micromachining Sales Quantity Market Share by Country (2018-2029)

Figure 64. South America Ultrafast Lasers for Micromachining Consumption Value Market Share by Country (2018-2029)

Figure 65. Brazil Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Argentina Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity Market Share by Type (2018-2029)

Figure 68. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity Market Share by Application (2018-2029)

Figure 69. Middle East & Africa Ultrafast Lasers for Micromachining Sales Quantity Market Share by Region (2018-2029)

Figure 70. Middle East & Africa Ultrafast Lasers for Micromachining Consumption Value Market Share by Region (2018-2029)

Figure 71. Turkey Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Egypt Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Saudi Arabia Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. South Africa Ultrafast Lasers for Micromachining Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. Ultrafast Lasers for Micromachining Market Drivers

Figure 76. Ultrafast Lasers for Micromachining Market Restraints

Figure 77. Ultrafast Lasers for Micromachining Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Ultrafast Lasers for Micromachining in 2022

Figure 80. Manufacturing Process Analysis of Ultrafast Lasers for Micromachining

Figure 81. Ultrafast Lasers for Micromachining Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology



Figure 86. Research Process and Data Source

## I would like to order

Product name: Global Ultrafast Lasers for Micromachining Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/GAB684F1CA65EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAB684F1CA65EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

