

# Global Diffractive Optical Elements Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G01206E2BB3EN.html>

Date: January 2024

Pages: 139

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

ID: G01206E2BB3EN

## Abstracts

According to our (Global Info Research) latest study, the global Diffractive Optical Elements market size was valued at USD 358.7 million in 2023 and is forecast to a readjusted size of USD 458.8 million by 2030 with a CAGR of 3.6% during review period.

Diffractive optical elements, DOEs, were designed for applications with lasers and high-power lasers. Used as multi-spot beam splitters, in beam shaping, and beam profile modification, such elements offer endless possibilities in different application fields. Diffractive optical element uses a thin micro structure pattern to alter the phase of the light propagated through it. When a laser beam is transmitted through a diffractive optical element (DOE), it can be transformed into an almost arbitrary light pattern in the observation plane.

Global diffractive optical elements key players are Shimadzu Corporation, Newport Corporation, II-VI Incorporated, etc. Global Top 5 players hold a share about 20%. North America is the largest market, with a share about 31%, followed by Europe and Asia Pacific with the share about 29% and 13%. In terms of product, beam splitting is the largest segment, with a share about 55%. And in terms of application, the largest application is laser material processing, followed by biomedical equipment.

The Global Info Research report includes an overview of the development of the Diffractive Optical Elements industry chain, the market status of Laser Material Processing (Beam Shaping (Top-Hat), Beam Splitting), Biomedical Equipment (Beam Shaping (Top-Hat), Beam Splitting), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market

trends of Diffractive Optical Elements.

Regionally, the report analyzes the Diffractive Optical Elements markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Diffractive Optical Elements market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Diffractive Optical Elements market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Diffractive Optical Elements industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Power (e.g., Beam Shaping (Top-Hat), Beam Splitting).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Diffractive Optical Elements market.

**Regional Analysis:** The report involves examining the Diffractive Optical Elements market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Diffractive Optical Elements market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Diffractive Optical Elements:

**Company Analysis:** Report covers individual Diffractive Optical Elements

manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Diffractive Optical Elements This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Laser Material Processing, Biomedical Equipment).

**Technology Analysis:** Report covers specific technologies relevant to Diffractive Optical Elements. It assesses the current state, advancements, and potential future developments in Diffractive Optical Elements areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Diffractive Optical Elements market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Diffractive Optical Elements market is split by Power and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Power, and by Application in terms of volume and value.

### Market segment by Power

- Beam Shaping (Top-Hat)

- Beam Splitting

- Beam Foci

### Market segment by Application

- Laser Material Processing

Biomedical Equipment

Others

#### Major players covered

Shimadzu Corporation

Newport Corporation (MKS Instruments)

II-VI Incorporated

SUSS MicroTec AG

Zeiss

HORIBA

Jenoptik

Holo/Or Ltd.

Edmund Optics

Omega

Plymouth Grating Lab

Wasatch Photonics

Spectrogon AB

SILIOS Technologies

GratingWorks

Headwall Photonics

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 Diffractive Optical Elements product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Diffractive Optical Elements, with price, sales, revenue and global market share of Diffractive Optical Elements from 2019 to 2024.

Chapter 3, the Diffractive Optical Elements competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Diffractive Optical Elements breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Power and application, with sales market share and growth rate by power, application, from 2019 to 2030.

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 2023. and Diffractive Optical Elements market forecast, by regions, power and

application, with sales and revenue, from 2025 to 2030.

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 Diffractive Optical Elements.

Chapter 14 and 15, to describe Diffractive Optical Elements sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Diffractive Optical Elements
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Power
  - 1.3.1 Overview: Global Diffractive Optical Elements Consumption Value by Power: 2019 Versus 2023 Versus 2030
  - 1.3.2 Beam Shaping (Top-Hat)
  - 1.3.3 Beam Splitting
  - 1.3.4 Beam Foci
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Diffractive Optical Elements Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 Laser Material Processing
  - 1.4.3 Biomedical Equipment
  - 1.4.4 Others
- 1.5 Global Diffractive Optical Elements Market Size & Forecast
  - 1.5.1 Global Diffractive Optical Elements Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Diffractive Optical Elements Sales Quantity (2019-2030)
  - 1.5.3 Global Diffractive Optical Elements Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 Shimadzu Corporation
  - 2.1.1 Shimadzu Corporation Details
  - 2.1.2 Shimadzu Corporation Major Business
  - 2.1.3 Shimadzu Corporation Diffractive Optical Elements Product and Services
  - 2.1.4 Shimadzu Corporation Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 Shimadzu Corporation Recent Developments/Updates
- 2.2 Newport Corporation (MKS Instruments)
  - 2.2.1 Newport Corporation (MKS Instruments) Details
  - 2.2.2 Newport Corporation (MKS Instruments) Major Business
  - 2.2.3 Newport Corporation (MKS Instruments) Diffractive Optical Elements Product and Services
  - 2.2.4 Newport Corporation (MKS Instruments) Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 Newport Corporation (MKS Instruments) Recent Developments/Updates
- 2.3 II-VI Incorporated
  - 2.3.1 II-VI Incorporated Details
  - 2.3.2 II-VI Incorporated Major Business
  - 2.3.3 II-VI Incorporated Diffractive Optical Elements Product and Services
  - 2.3.4 II-VI Incorporated Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 II-VI Incorporated Recent Developments/Updates
- 2.4 SUSS MicroTec AG
  - 2.4.1 SUSS MicroTec AG Details
  - 2.4.2 SUSS MicroTec AG Major Business
  - 2.4.3 SUSS MicroTec AG Diffractive Optical Elements Product and Services
  - 2.4.4 SUSS MicroTec AG Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 SUSS MicroTec AG Recent Developments/Updates
- 2.5 Zeiss
  - 2.5.1 Zeiss Details
  - 2.5.2 Zeiss Major Business
  - 2.5.3 Zeiss Diffractive Optical Elements Product and Services
  - 2.5.4 Zeiss Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Zeiss Recent Developments/Updates
- 2.6 HORIBA
  - 2.6.1 HORIBA Details
  - 2.6.2 HORIBA Major Business
  - 2.6.3 HORIBA Diffractive Optical Elements Product and Services
  - 2.6.4 HORIBA Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.6.5 HORIBA Recent Developments/Updates
- 2.7 Jenoptik
  - 2.7.1 Jenoptik Details
  - 2.7.2 Jenoptik Major Business
  - 2.7.3 Jenoptik Diffractive Optical Elements Product and Services
  - 2.7.4 Jenoptik Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 Jenoptik Recent Developments/Updates
- 2.8 Holo/Or Ltd.
  - 2.8.1 Holo/Or Ltd. Details
  - 2.8.2 Holo/Or Ltd. Major Business



- 2.8.3 Holo/Or Ltd. Diffractive Optical Elements Product and Services
- 2.8.4 Holo/Or Ltd. Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Holo/Or Ltd. Recent Developments/Updates
- 2.9 Edmund Optics
  - 2.9.1 Edmund Optics Details
  - 2.9.2 Edmund Optics Major Business
  - 2.9.3 Edmund Optics Diffractive Optical Elements Product and Services
  - 2.9.4 Edmund Optics Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.9.5 Edmund Optics Recent Developments/Updates
- 2.10 Omega
  - 2.10.1 Omega Details
  - 2.10.2 Omega Major Business
  - 2.10.3 Omega Diffractive Optical Elements Product and Services
  - 2.10.4 Omega Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 Omega Recent Developments/Updates
- 2.11 Plymouth Grating Lab
  - 2.11.1 Plymouth Grating Lab Details
  - 2.11.2 Plymouth Grating Lab Major Business
  - 2.11.3 Plymouth Grating Lab Diffractive Optical Elements Product and Services
  - 2.11.4 Plymouth Grating Lab Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.11.5 Plymouth Grating Lab Recent Developments/Updates
- 2.12 Wasatch Photonics
  - 2.12.1 Wasatch Photonics Details
  - 2.12.2 Wasatch Photonics Major Business
  - 2.12.3 Wasatch Photonics Diffractive Optical Elements Product and Services
  - 2.12.4 Wasatch Photonics Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.12.5 Wasatch Photonics Recent Developments/Updates
- 2.13 Spectrogon AB
  - 2.13.1 Spectrogon AB Details
  - 2.13.2 Spectrogon AB Major Business
  - 2.13.3 Spectrogon AB Diffractive Optical Elements Product and Services
  - 2.13.4 Spectrogon AB Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.13.5 Spectrogon AB Recent Developments/Updates

## 2.14 SILIOS Technologies

### 2.14.1 SILIOS Technologies Details

### 2.14.2 SILIOS Technologies Major Business

### 2.14.3 SILIOS Technologies Diffractive Optical Elements Product and Services

### 2.14.4 SILIOS Technologies Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.14.5 SILIOS Technologies Recent Developments/Updates

## 2.15 GratingWorks

### 2.15.1 GratingWorks Details

### 2.15.2 GratingWorks Major Business

### 2.15.3 GratingWorks Diffractive Optical Elements Product and Services

### 2.15.4 GratingWorks Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.15.5 GratingWorks Recent Developments/Updates

## 2.16 Headwall Photonics

### 2.16.1 Headwall Photonics Details

### 2.16.2 Headwall Photonics Major Business

### 2.16.3 Headwall Photonics Diffractive Optical Elements Product and Services

### 2.16.4 Headwall Photonics Diffractive Optical Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.16.5 Headwall Photonics Recent Developments/Updates

## **3 COMPETITIVE ENVIRONMENT: DIFFRACTIVE OPTICAL ELEMENTS BY MANUFACTURER**

### 3.1 Global Diffractive Optical Elements Sales Quantity by Manufacturer (2019-2024)

### 3.2 Global Diffractive Optical Elements Revenue by Manufacturer (2019-2024)

### 3.3 Global Diffractive Optical Elements Average Price by Manufacturer (2019-2024)

### 3.4 Market Share Analysis (2023)

#### 3.4.1 Producer Shipments of Diffractive Optical Elements by Manufacturer Revenue (\$MM) and Market Share (%): 2023

#### 3.4.2 Top 3 Diffractive Optical Elements Manufacturer Market Share in 2023

#### 3.4.2 Top 6 Diffractive Optical Elements Manufacturer Market Share in 2023

### 3.5 Diffractive Optical Elements Market: Overall Company Footprint Analysis

#### 3.5.1 Diffractive Optical Elements Market: Region Footprint

#### 3.5.2 Diffractive Optical Elements Market: Company Product Type Footprint

#### 3.5.3 Diffractive Optical Elements 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 Diffractive Optical Elements Market Size by Region

- 4.1.1 Global Diffractive Optical Elements Sales Quantity by Region (2019-2030)
- 4.1.2 Global Diffractive Optical Elements Consumption Value by Region (2019-2030)
- 4.1.3 Global Diffractive Optical Elements Average Price by Region (2019-2030)

### 4.2 North America Diffractive Optical Elements Consumption Value (2019-2030)

### 4.3 Europe Diffractive Optical Elements Consumption Value (2019-2030)

### 4.4 Asia-Pacific Diffractive Optical Elements Consumption Value (2019-2030)

### 4.5 South America Diffractive Optical Elements Consumption Value (2019-2030)

### 4.6 Middle East and Africa Diffractive Optical Elements Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY POWER**

### 5.1 Global Diffractive Optical Elements Sales Quantity by Power (2019-2030)

### 5.2 Global Diffractive Optical Elements Consumption Value by Power (2019-2030)

### 5.3 Global Diffractive Optical Elements Average Price by Power (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

### 6.1 Global Diffractive Optical Elements Sales Quantity by Application (2019-2030)

### 6.2 Global Diffractive Optical Elements Consumption Value by Application (2019-2030)

### 6.3 Global Diffractive Optical Elements Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

### 7.1 North America Diffractive Optical Elements Sales Quantity by Power (2019-2030)

### 7.2 North America Diffractive Optical Elements Sales Quantity by Application (2019-2030)

### 7.3 North America Diffractive Optical Elements Market Size by Country

#### 7.3.1 North America Diffractive Optical Elements Sales Quantity by Country (2019-2030)

#### 7.3.2 North America Diffractive Optical Elements Consumption Value by Country (2019-2030)

#### 7.3.3 United States Market Size and Forecast (2019-2030)

#### 7.3.4 Canada Market Size and Forecast (2019-2030)

#### 7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

- 8.1 Europe Diffractive Optical Elements Sales Quantity by Power (2019-2030)
- 8.2 Europe Diffractive Optical Elements Sales Quantity by Application (2019-2030)
- 8.3 Europe Diffractive Optical Elements Market Size by Country
  - 8.3.1 Europe Diffractive Optical Elements Sales Quantity by Country (2019-2030)
  - 8.3.2 Europe Diffractive Optical Elements Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
  - 8.3.4 France Market Size and Forecast (2019-2030)
  - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
  - 8.3.6 Russia Market Size and Forecast (2019-2030)
  - 8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Diffractive Optical Elements Sales Quantity by Power (2019-2030)
- 9.2 Asia-Pacific Diffractive Optical Elements Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Diffractive Optical Elements Market Size by Region
  - 9.3.1 Asia-Pacific Diffractive Optical Elements Sales Quantity by Region (2019-2030)
  - 9.3.2 Asia-Pacific Diffractive Optical Elements Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
  - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
  - 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

- 10.1 South America Diffractive Optical Elements Sales Quantity by Power (2019-2030)
- 10.2 South America Diffractive Optical Elements Sales Quantity by Application (2019-2030)
- 10.3 South America Diffractive Optical Elements Market Size by Country
  - 10.3.1 South America Diffractive Optical Elements Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Diffractive Optical Elements Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)

#### 10.3.4 Argentina Market Size and Forecast (2019-2030)

### **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Diffractive Optical Elements Sales Quantity by Power (2019-2030)

11.2 Middle East & Africa Diffractive Optical Elements Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Diffractive Optical Elements Market Size by Country

11.3.1 Middle East & Africa Diffractive Optical Elements Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Diffractive Optical Elements Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

### **12 MARKET DYNAMICS**

12.1 Diffractive Optical Elements Market Drivers

12.2 Diffractive Optical Elements Market Restraints

12.3 Diffractive Optical Elements 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

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

13.1 Raw Material of Diffractive Optical Elements and Key Manufacturers

13.2 Manufacturing Costs Percentage of Diffractive Optical Elements

13.3 Diffractive Optical Elements Production Process

13.4 Diffractive Optical Elements Industrial Chain

### **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

## 14.1 Sales Channel

### 14.1.1 Direct to End-User

### 14.1.2 Distributors

## 14.2 Diffractive Optical Elements Typical Distributors

## 14.3 Diffractive Optical Elements 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 Diffractive Optical Elements Consumption Value by Power, (USD Million), 2019 & 2023 & 2030

Table 2. Global Diffractive Optical Elements Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Shimadzu Corporation Basic Information, Manufacturing Base and Competitors

Table 4. Shimadzu Corporation Major Business

Table 5. Shimadzu Corporation Diffractive Optical Elements Product and Services

Table 6. Shimadzu Corporation Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Shimadzu Corporation Recent Developments/Updates

Table 8. Newport Corporation (MKS Instruments) Basic Information, Manufacturing Base and Competitors

Table 9. Newport Corporation (MKS Instruments) Major Business

Table 10. Newport Corporation (MKS Instruments) Diffractive Optical Elements Product and Services

Table 11. Newport Corporation (MKS Instruments) Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Newport Corporation (MKS Instruments) Recent Developments/Updates

Table 13. II-VI Incorporated Basic Information, Manufacturing Base and Competitors

Table 14. II-VI Incorporated Major Business

Table 15. II-VI Incorporated Diffractive Optical Elements Product and Services

Table 16. II-VI Incorporated Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. II-VI Incorporated Recent Developments/Updates

Table 18. SUSS MicroTec AG Basic Information, Manufacturing Base and Competitors

Table 19. SUSS MicroTec AG Major Business

Table 20. SUSS MicroTec AG Diffractive Optical Elements Product and Services

Table 21. SUSS MicroTec AG Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. SUSS MicroTec AG Recent Developments/Updates

Table 23. Zeiss Basic Information, Manufacturing Base and Competitors

Table 24. Zeiss Major Business

Table 25. Zeiss Diffractive Optical Elements Product and Services

Table 26. Zeiss Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Zeiss Recent Developments/Updates

Table 28. HORIBA Basic Information, Manufacturing Base and Competitors

Table 29. HORIBA Major Business

Table 30. HORIBA Diffractive Optical Elements Product and Services

Table 31. HORIBA Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. HORIBA Recent Developments/Updates

Table 33. Jenoptik Basic Information, Manufacturing Base and Competitors

Table 34. Jenoptik Major Business

Table 35. Jenoptik Diffractive Optical Elements Product and Services

Table 36. Jenoptik Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Jenoptik Recent Developments/Updates

Table 38. Holo/Or Ltd. Basic Information, Manufacturing Base and Competitors

Table 39. Holo/Or Ltd. Major Business

Table 40. Holo/Or Ltd. Diffractive Optical Elements Product and Services

Table 41. Holo/Or Ltd. Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Holo/Or Ltd. Recent Developments/Updates

Table 43. Edmund Optics Basic Information, Manufacturing Base and Competitors

Table 44. Edmund Optics Major Business

Table 45. Edmund Optics Diffractive Optical Elements Product and Services

Table 46. Edmund Optics Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Edmund Optics Recent Developments/Updates

Table 48. Omega Basic Information, Manufacturing Base and Competitors

Table 49. Omega Major Business

Table 50. Omega Diffractive Optical Elements Product and Services

Table 51. Omega Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Omega Recent Developments/Updates

Table 53. Plymouth Grating Lab Basic Information, Manufacturing Base and Competitors

Table 54. Plymouth Grating Lab Major Business



Table 55. Plymouth Grating Lab Diffractive Optical Elements Product and Services

Table 56. Plymouth Grating Lab Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Plymouth Grating Lab Recent Developments/Updates

Table 58. Wasatch Photonics Basic Information, Manufacturing Base and Competitors

Table 59. Wasatch Photonics Major Business

Table 60. Wasatch Photonics Diffractive Optical Elements Product and Services

Table 61. Wasatch Photonics Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Wasatch Photonics Recent Developments/Updates

Table 63. Spectrogon AB Basic Information, Manufacturing Base and Competitors

Table 64. Spectrogon AB Major Business

Table 65. Spectrogon AB Diffractive Optical Elements Product and Services

Table 66. Spectrogon AB Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Spectrogon AB Recent Developments/Updates

Table 68. SILIOS Technologies Basic Information, Manufacturing Base and Competitors

Table 69. SILIOS Technologies Major Business

Table 70. SILIOS Technologies Diffractive Optical Elements Product and Services

Table 71. SILIOS Technologies Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. SILIOS Technologies Recent Developments/Updates

Table 73. GratingWorks Basic Information, Manufacturing Base and Competitors

Table 74. GratingWorks Major Business

Table 75. GratingWorks Diffractive Optical Elements Product and Services

Table 76. GratingWorks Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. GratingWorks Recent Developments/Updates

Table 78. Headwall Photonics Basic Information, Manufacturing Base and Competitors

Table 79. Headwall Photonics Major Business

Table 80. Headwall Photonics Diffractive Optical Elements Product and Services

Table 81. Headwall Photonics Diffractive Optical Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. Headwall Photonics Recent Developments/Updates

Table 83. Global Diffractive Optical Elements Sales Quantity by Manufacturer

(2019-2024) & (K Units)

Table 84. Global Diffractive Optical Elements Revenue by Manufacturer (2019-2024) & (USD Million)

Table 85. Global Diffractive Optical Elements Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 86. Market Position of Manufacturers in Diffractive Optical Elements, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 87. Head Office and Diffractive Optical Elements Production Site of Key Manufacturer

Table 88. Diffractive Optical Elements Market: Company Product Type Footprint

Table 89. Diffractive Optical Elements Market: Company Product Application Footprint

Table 90. Diffractive Optical Elements New Market Entrants and Barriers to Market Entry

Table 91. Diffractive Optical Elements Mergers, Acquisition, Agreements, and Collaborations

Table 92. Global Diffractive Optical Elements Sales Quantity by Region (2019-2024) & (K Units)

Table 93. Global Diffractive Optical Elements Sales Quantity by Region (2025-2030) & (K Units)

Table 94. Global Diffractive Optical Elements Consumption Value by Region (2019-2024) & (USD Million)

Table 95. Global Diffractive Optical Elements Consumption Value by Region (2025-2030) & (USD Million)

Table 96. Global Diffractive Optical Elements Average Price by Region (2019-2024) & (USD/Unit)

Table 97. Global Diffractive Optical Elements Average Price by Region (2025-2030) & (USD/Unit)

Table 98. Global Diffractive Optical Elements Sales Quantity by Power (2019-2024) & (K Units)

Table 99. Global Diffractive Optical Elements Sales Quantity by Power (2025-2030) & (K Units)

Table 100. Global Diffractive Optical Elements Consumption Value by Power (2019-2024) & (USD Million)

Table 101. Global Diffractive Optical Elements Consumption Value by Power (2025-2030) & (USD Million)

Table 102. Global Diffractive Optical Elements Average Price by Power (2019-2024) & (USD/Unit)

Table 103. Global Diffractive Optical Elements Average Price by Power (2025-2030) & (USD/Unit)

- Table 104. Global Diffractive Optical Elements Sales Quantity by Application (2019-2024) & (K Units)
- Table 105. Global Diffractive Optical Elements Sales Quantity by Application (2025-2030) & (K Units)
- Table 106. Global Diffractive Optical Elements Consumption Value by Application (2019-2024) & (USD Million)
- Table 107. Global Diffractive Optical Elements Consumption Value by Application (2025-2030) & (USD Million)
- Table 108. Global Diffractive Optical Elements Average Price by Application (2019-2024) & (USD/Unit)
- Table 109. Global Diffractive Optical Elements Average Price by Application (2025-2030) & (USD/Unit)
- Table 110. North America Diffractive Optical Elements Sales Quantity by Power (2019-2024) & (K Units)
- Table 111. North America Diffractive Optical Elements Sales Quantity by Power (2025-2030) & (K Units)
- Table 112. North America Diffractive Optical Elements Sales Quantity by Application (2019-2024) & (K Units)
- Table 113. North America Diffractive Optical Elements Sales Quantity by Application (2025-2030) & (K Units)
- Table 114. North America Diffractive Optical Elements Sales Quantity by Country (2019-2024) & (K Units)
- Table 115. North America Diffractive Optical Elements Sales Quantity by Country (2025-2030) & (K Units)
- Table 116. North America Diffractive Optical Elements Consumption Value by Country (2019-2024) & (USD Million)
- Table 117. North America Diffractive Optical Elements Consumption Value by Country (2025-2030) & (USD Million)
- Table 118. Europe Diffractive Optical Elements Sales Quantity by Power (2019-2024) & (K Units)
- Table 119. Europe Diffractive Optical Elements Sales Quantity by Power (2025-2030) & (K Units)
- Table 120. Europe Diffractive Optical Elements Sales Quantity by Application (2019-2024) & (K Units)
- Table 121. Europe Diffractive Optical Elements Sales Quantity by Application (2025-2030) & (K Units)
- Table 122. Europe Diffractive Optical Elements Sales Quantity by Country (2019-2024) & (K Units)
- Table 123. Europe Diffractive Optical Elements Sales Quantity by Country (2025-2030)

& (K Units)

Table 124. Europe Diffractive Optical Elements Consumption Value by Country (2019-2024) & (USD Million)

Table 125. Europe Diffractive Optical Elements Consumption Value by Country (2025-2030) & (USD Million)

Table 126. Asia-Pacific Diffractive Optical Elements Sales Quantity by Power (2019-2024) & (K Units)

Table 127. Asia-Pacific Diffractive Optical Elements Sales Quantity by Power (2025-2030) & (K Units)

Table 128. Asia-Pacific Diffractive Optical Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 129. Asia-Pacific Diffractive Optical Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 130. Asia-Pacific Diffractive Optical Elements Sales Quantity by Region (2019-2024) & (K Units)

Table 131. Asia-Pacific Diffractive Optical Elements Sales Quantity by Region (2025-2030) & (K Units)

Table 132. Asia-Pacific Diffractive Optical Elements Consumption Value by Region (2019-2024) & (USD Million)

Table 133. Asia-Pacific Diffractive Optical Elements Consumption Value by Region (2025-2030) & (USD Million)

Table 134. South America Diffractive Optical Elements Sales Quantity by Power (2019-2024) & (K Units)

Table 135. South America Diffractive Optical Elements Sales Quantity by Power (2025-2030) & (K Units)

Table 136. South America Diffractive Optical Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 137. South America Diffractive Optical Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 138. South America Diffractive Optical Elements Sales Quantity by Country (2019-2024) & (K Units)

Table 139. South America Diffractive Optical Elements Sales Quantity by Country (2025-2030) & (K Units)

Table 140. South America Diffractive Optical Elements Consumption Value by Country (2019-2024) & (USD Million)

Table 141. South America Diffractive Optical Elements Consumption Value by Country (2025-2030) & (USD Million)

Table 142. Middle East & Africa Diffractive Optical Elements Sales Quantity by Power (2019-2024) & (K Units)

Table 143. Middle East & Africa Diffractive Optical Elements Sales Quantity by Power (2025-2030) & (K Units)

Table 144. Middle East & Africa Diffractive Optical Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 145. Middle East & Africa Diffractive Optical Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 146. Middle East & Africa Diffractive Optical Elements Sales Quantity by Region (2019-2024) & (K Units)

Table 147. Middle East & Africa Diffractive Optical Elements Sales Quantity by Region (2025-2030) & (K Units)

Table 148. Middle East & Africa Diffractive Optical Elements Consumption Value by Region (2019-2024) & (USD Million)

Table 149. Middle East & Africa Diffractive Optical Elements Consumption Value by Region (2025-2030) & (USD Million)

Table 150. Diffractive Optical Elements Raw Material

Table 151. Key Manufacturers of Diffractive Optical Elements Raw Materials

Table 152. Diffractive Optical Elements Typical Distributors

Table 153. Diffractive Optical Elements Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Diffractive Optical Elements Picture
- Figure 2. Global Diffractive Optical Elements Consumption Value by Power, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Diffractive Optical Elements Consumption Value Market Share by Power in 2023
- Figure 4. Beam Shaping (Top-Hat) Examples
- Figure 5. Beam Splitting Examples
- Figure 6. Beam Foci Examples
- Figure 7. Global Diffractive Optical Elements Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 8. Global Diffractive Optical Elements Consumption Value Market Share by Application in 2023
- Figure 9. Laser Material Processing Examples
- Figure 10. Biomedical Equipment Examples
- Figure 11. Others Examples
- Figure 12. Global Diffractive Optical Elements Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 13. Global Diffractive Optical Elements Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 14. Global Diffractive Optical Elements Sales Quantity (2019-2030) & (K Units)
- Figure 15. Global Diffractive Optical Elements Average Price (2019-2030) & (USD/Unit)
- Figure 16. Global Diffractive Optical Elements Sales Quantity Market Share by Manufacturer in 2023
- Figure 17. Global Diffractive Optical Elements Consumption Value Market Share by Manufacturer in 2023
- Figure 18. Producer Shipments of Diffractive Optical Elements by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 19. Top 3 Diffractive Optical Elements Manufacturer (Consumption Value) Market Share in 2023
- Figure 20. Top 6 Diffractive Optical Elements Manufacturer (Consumption Value) Market Share in 2023
- Figure 21. Global Diffractive Optical Elements Sales Quantity Market Share by Region (2019-2030)
- Figure 22. Global Diffractive Optical Elements Consumption Value Market Share by Region (2019-2030)



- Figure 23. North America Diffractive Optical Elements Consumption Value (2019-2030) & (USD Million)
- Figure 24. Europe Diffractive Optical Elements Consumption Value (2019-2030) & (USD Million)
- Figure 25. Asia-Pacific Diffractive Optical Elements Consumption Value (2019-2030) & (USD Million)
- Figure 26. South America Diffractive Optical Elements Consumption Value (2019-2030) & (USD Million)
- Figure 27. Middle East & Africa Diffractive Optical Elements Consumption Value (2019-2030) & (USD Million)
- Figure 28. Global Diffractive Optical Elements Sales Quantity Market Share by Power (2019-2030)
- Figure 29. Global Diffractive Optical Elements Consumption Value Market Share by Power (2019-2030)
- Figure 30. Global Diffractive Optical Elements Average Price by Power (2019-2030) & (USD/Unit)
- Figure 31. Global Diffractive Optical Elements Sales Quantity Market Share by Application (2019-2030)
- Figure 32. Global Diffractive Optical Elements Consumption Value Market Share by Application (2019-2030)
- Figure 33. Global Diffractive Optical Elements Average Price by Application (2019-2030) & (USD/Unit)
- Figure 34. North America Diffractive Optical Elements Sales Quantity Market Share by Power (2019-2030)
- Figure 35. North America Diffractive Optical Elements Sales Quantity Market Share by Application (2019-2030)
- Figure 36. North America Diffractive Optical Elements Sales Quantity Market Share by Country (2019-2030)
- Figure 37. North America Diffractive Optical Elements Consumption Value Market Share by Country (2019-2030)
- Figure 38. United States Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 39. Canada Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 40. Mexico Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 41. Europe Diffractive Optical Elements Sales Quantity Market Share by Power (2019-2030)
- Figure 42. Europe Diffractive Optical Elements Sales Quantity Market Share by

Application (2019-2030)

Figure 43. Europe Diffractive Optical Elements Sales Quantity Market Share by Country (2019-2030)

Figure 44. Europe Diffractive Optical Elements Consumption Value Market Share by Country (2019-2030)

Figure 45. Germany Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. France Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. United Kingdom Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Russia Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Italy Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Asia-Pacific Diffractive Optical Elements Sales Quantity Market Share by Power (2019-2030)

Figure 51. Asia-Pacific Diffractive Optical Elements Sales Quantity Market Share by Application (2019-2030)

Figure 52. Asia-Pacific Diffractive Optical Elements Sales Quantity Market Share by Region (2019-2030)

Figure 53. Asia-Pacific Diffractive Optical Elements Consumption Value Market Share by Region (2019-2030)

Figure 54. China Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Japan Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Korea Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. India Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Southeast Asia Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Australia Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. South America Diffractive Optical Elements Sales Quantity Market Share by Power (2019-2030)

Figure 61. South America Diffractive Optical Elements Sales Quantity Market Share by Application (2019-2030)



- Figure 62. South America Diffractive Optical Elements Sales Quantity Market Share by Country (2019-2030)
- Figure 63. South America Diffractive Optical Elements Consumption Value Market Share by Country (2019-2030)
- Figure 64. Brazil Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 65. Argentina Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 66. Middle East & Africa Diffractive Optical Elements Sales Quantity Market Share by Power (2019-2030)
- Figure 67. Middle East & Africa Diffractive Optical Elements Sales Quantity Market Share by Application (2019-2030)
- Figure 68. Middle East & Africa Diffractive Optical Elements Sales Quantity Market Share by Region (2019-2030)
- Figure 69. Middle East & Africa Diffractive Optical Elements Consumption Value Market Share by Region (2019-2030)
- Figure 70. Turkey Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 71. Egypt Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 72. Saudi Arabia Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 73. South Africa Diffractive Optical Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 74. Diffractive Optical Elements Market Drivers
- Figure 75. Diffractive Optical Elements Market Restraints
- Figure 76. Diffractive Optical Elements Market Trends
- Figure 77. Porters Five Forces Analysis
- Figure 78. Manufacturing Cost Structure Analysis of Diffractive Optical Elements in 2023
- Figure 79. Manufacturing Process Analysis of Diffractive Optical Elements
- Figure 80. Diffractive Optical Elements Industrial Chain
- Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 82. Direct Channel Pros & Cons
- Figure 83. Indirect Channel Pros & Cons
- Figure 84. Methodology
- Figure 85. Research Process and Data Source

## I would like to order

Product name: Global Diffractive Optical Elements Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G01206E2BB3EN.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/G01206E2BB3EN.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

