

Global Diffractive Optical Elements (DOE) Market Analysis and Forecast 2024-2030

<https://marketpublishers.com/r/G6FA67B9F687EN.html>

Date: April 2024

Pages: 216

Price: US\$ 4,950.00 (Single User License)

ID: G6FA67B9F687EN

Abstracts

Summary

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.

According to APO Research, The global Diffractive Optical Elements (DOE) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Diffractive Optical Elements (DOE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Diffractive Optical Elements (DOE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Diffractive Optical Elements (DOE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Diffractive Optical Elements (DOE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Diffractive Optical Elements (DOE) include Holo/OR Ltd., HORIBA, Newport Corporation, Jenoptik, Photop Technologies (II-VI Incorporated), Shimadzu Corporation, Zeiss, SUSS MicroTec AG. and Lightsmyth (Finisar), etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Diffractive Optical Elements (DOE) production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Diffractive Optical Elements (DOE) by region (region level and country level), by Company, by Type and by Application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Diffractive Optical Elements (DOE), capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Diffractive Optical Elements (DOE), also provides the consumption of main regions and countries. Of the upcoming market potential for Diffractive Optical Elements (DOE), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Diffractive Optical Elements (DOE) sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024.

Identification of the major stakeholders in the global Diffractive Optical Elements (DOE) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Diffractive Optical Elements (DOE) sales, projected growth trends, production technology, application and end-user industry.

Diffractive Optical Elements (DOE) segment by Company

Holo/Or Ltd.

HORIBA

Newport Corporation

Jenoptik

Photop Technologies (II-VI Incorporated)

Shimadzu Corporation

Zeiss

SUSS MicroTec AG.

Lightsmyth (Finisar)

Edmund Optics

Optometrics (Dynasil)

Headwall Photonics

Plymouth Grating Lab

Wasatch Photonics

Spectrogon AB

SILIOS Technologies

GratingWorks

Diffractive Optical Elements (DOE) segment by Type

Beam Shaping (Top-Hat)

Beam Splitting

Beam Foci

Diffractive Optical Elements (DOE) segment by Application

Laser Material Processing

Biomedical Equipment

Others

Diffractive Optical Elements (DOE) segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Diffractive Optical Elements (DOE) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Diffractive Optical Elements (DOE) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest

developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Diffractive Optical Elements (DOE).

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by type and by application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Diffractive Optical Elements (DOE) production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production, and development potential of each producer in the next six years.

Chapter 4: Sales (consumption), revenue of Diffractive Optical Elements (DOE) in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space of each country in the world.

Chapter 5: Detailed analysis of Diffractive Optical Elements (DOE) manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 6: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7: Provides the analysis of various market segments by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Diffractive Optical Elements (DOE) sales, revenue, price, gross margin, and recent development, etc.

Chapter 9: North America (US & Canada) by type, by application and by country, sales, and revenue for each segment.

Chapter 10: Europe by type, by application and by country, sales, and revenue for each segment.

Chapter 11: China by type, by application, sales, and revenue for each segment.

Chapter 12: Asia (Excluding China) by type, by application and by region, sales, and revenue for each segment.

Chapter 13: Middle East, Africa, Latin America by type, by application and by country, sales, and revenue for each segment.

Chapter 14: Analysis of industrial chain, sales channel, key raw materials, distributors and customers.

Chapter 15: The main concluding insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Diffractive Optical Elements (DOE) Market by Type
 - 1.2.1 Global Diffractive Optical Elements (DOE) Market Size by Type, 2019 VS 2023 VS 2030
 - 1.2.2 Beam Shaping (Top-Hat)
 - 1.2.3 Beam Splitting
 - 1.2.4 Beam Foci
- 1.3 Diffractive Optical Elements (DOE) Market by Application
 - 1.3.1 Global Diffractive Optical Elements (DOE) Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 Laser Material Processing
 - 1.3.3 Biomedical Equipment
 - 1.3.4 Others
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 DIFFRACTIVE OPTICAL ELEMENTS (DOE) MARKET DYNAMICS

- 2.1 Diffractive Optical Elements (DOE) Industry Trends
- 2.2 Diffractive Optical Elements (DOE) Industry Drivers
- 2.3 Diffractive Optical Elements (DOE) Industry Opportunities and Challenges
- 2.4 Diffractive Optical Elements (DOE) Industry Restraints

3 GLOBAL DIFFRACTIVE OPTICAL ELEMENTS (DOE) PRODUCTION OVERVIEW

- 3.1 Global Diffractive Optical Elements (DOE) Production Capacity (2019-2030)
- 3.2 Global Diffractive Optical Elements (DOE) Production by Region: 2019 VS 2023 VS 2030
- 3.3 Global Diffractive Optical Elements (DOE) Production by Region
 - 3.3.1 Global Diffractive Optical Elements (DOE) Production by Region (2019-2024)
 - 3.3.2 Global Diffractive Optical Elements (DOE) Production by Region (2025-2030)
 - 3.3.3 Global Diffractive Optical Elements (DOE) Production Market Share by Region (2019-2030)
- 3.4 North America
- 3.5 Europe

3.6 Japan

3.7 China

4 GLOBAL MARKET GROWTH PROSPECTS

4.1 Global Diffractive Optical Elements (DOE) Revenue Estimates and Forecasts (2019-2030)

4.2 Global Diffractive Optical Elements (DOE) Revenue by Region

4.2.1 Global Diffractive Optical Elements (DOE) Revenue by Region: 2019 VS 2023 VS 2030

4.2.2 Global Diffractive Optical Elements (DOE) Revenue by Region (2019-2024)

4.2.3 Global Diffractive Optical Elements (DOE) Revenue by Region (2025-2030)

4.2.4 Global Diffractive Optical Elements (DOE) Revenue Market Share by Region (2019-2030)

4.3 Global Diffractive Optical Elements (DOE) Sales Estimates and Forecasts 2019-2030

4.4 Global Diffractive Optical Elements (DOE) Sales by Region

4.4.1 Global Diffractive Optical Elements (DOE) Sales by Region: 2019 VS 2023 VS 2030

4.4.2 Global Diffractive Optical Elements (DOE) Sales by Region (2019-2024)

4.4.3 Global Diffractive Optical Elements (DOE) Sales by Region (2025-2030)

4.4.4 Global Diffractive Optical Elements (DOE) Sales Market Share by Region (2019-2030)

4.5 US & Canada

4.6 Europe

4.7 China

4.8 Asia (Excluding China)

4.9 Middle East, Africa and Latin America

5 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

5.1 Global Diffractive Optical Elements (DOE) Revenue by Manufacturers

5.1.1 Global Diffractive Optical Elements (DOE) Revenue by Manufacturers (2019-2024)

5.1.2 Global Diffractive Optical Elements (DOE) Revenue Market Share by Manufacturers (2019-2024)

5.1.3 Global Diffractive Optical Elements (DOE) Manufacturers Revenue Share Top 10 and Top 5 in 2023

5.2 Global Diffractive Optical Elements (DOE) Sales by Manufacturers

- 5.2.1 Global Diffractive Optical Elements (DOE) Sales by Manufacturers (2019-2024)
- 5.2.2 Global Diffractive Optical Elements (DOE) Sales Market Share by Manufacturers (2019-2024)
- 5.2.3 Global Diffractive Optical Elements (DOE) Manufacturers Sales Share Top 10 and Top 5 in 2023
- 5.3 Global Diffractive Optical Elements (DOE) Sales Price by Manufacturers (2019-2024)
- 5.4 Global Diffractive Optical Elements (DOE) Key Manufacturers Ranking, 2022 VS 2023 VS 2024
- 5.5 Global Diffractive Optical Elements (DOE) Key Manufacturers Manufacturing Sites & Headquarters
- 5.6 Global Diffractive Optical Elements (DOE) Manufacturers, Product Type & Application
- 5.7 Global Diffractive Optical Elements (DOE) Manufacturers Commercialization Time
- 5.8 Market Competitive Analysis
 - 5.8.1 Global Diffractive Optical Elements (DOE) Market CR5 and HHI
 - 5.8.2 2023 Diffractive Optical Elements (DOE) Tier 1, Tier 2, and Tier

6 DIFFRACTIVE OPTICAL ELEMENTS (DOE) MARKET BY TYPE

- 6.1 Global Diffractive Optical Elements (DOE) Revenue by Type
 - 6.1.1 Global Diffractive Optical Elements (DOE) Revenue by Type (2019 VS 2023 VS 2030)
 - 6.1.2 Global Diffractive Optical Elements (DOE) Revenue by Type (2019-2030) & (US\$ Million)
 - 6.1.3 Global Diffractive Optical Elements (DOE) Revenue Market Share by Type (2019-2030)
- 6.2 Global Diffractive Optical Elements (DOE) Sales by Type
 - 6.2.1 Global Diffractive Optical Elements (DOE) Sales by Type (2019 VS 2023 VS 2030)
 - 6.2.2 Global Diffractive Optical Elements (DOE) Sales by Type (2019-2030) & (K Units)
 - 6.2.3 Global Diffractive Optical Elements (DOE) Sales Market Share by Type (2019-2030)
- 6.3 Global Diffractive Optical Elements (DOE) Price by Type

7 DIFFRACTIVE OPTICAL ELEMENTS (DOE) MARKET BY APPLICATION

- 7.1 Global Diffractive Optical Elements (DOE) Revenue by Application

7.1.1 Global Diffractive Optical Elements (DOE) Revenue by Application (2019 VS 2023 VS 2030)

7.1.2 Global Diffractive Optical Elements (DOE) Revenue by Application (2019-2030) & (US\$ Million)

7.1.3 Global Diffractive Optical Elements (DOE) Revenue Market Share by Application (2019-2030)

7.2 Global Diffractive Optical Elements (DOE) Sales by Application

7.2.1 Global Diffractive Optical Elements (DOE) Sales by Application (2019 VS 2023 VS 2030)

7.2.2 Global Diffractive Optical Elements (DOE) Sales by Application (2019-2030) & (K Units)

7.2.3 Global Diffractive Optical Elements (DOE) Sales Market Share by Application (2019-2030)

7.3 Global Diffractive Optical Elements (DOE) Price by Application

8 COMPANY PROFILES

8.1 Holo/Or Ltd.

8.1.1 Holo/Or Ltd. Company Information

8.1.2 Holo/Or Ltd. Business Overview

8.1.3 Holo/Or Ltd. Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.1.4 Holo/Or Ltd. Diffractive Optical Elements (DOE) Product Portfolio

8.1.5 Holo/Or Ltd. Recent Developments

8.2 HORIBA

8.2.1 HORIBA Company Information

8.2.2 HORIBA Business Overview

8.2.3 HORIBA Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.2.4 HORIBA Diffractive Optical Elements (DOE) Product Portfolio

8.2.5 HORIBA Recent Developments

8.3 Newport Corporation

8.3.1 Newport Corporation Company Information

8.3.2 Newport Corporation Business Overview

8.3.3 Newport Corporation Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.3.4 Newport Corporation Diffractive Optical Elements (DOE) Product Portfolio

8.3.5 Newport Corporation Recent Developments

8.4 Jenoptik

- 8.4.1 Jenoptik Company Information
- 8.4.2 Jenoptik Business Overview
- 8.4.3 Jenoptik Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.4.4 Jenoptik Diffractive Optical Elements (DOE) Product Portfolio
- 8.4.5 Jenoptik Recent Developments
- 8.5 Photop Technologies (II-VI Incorporated)
 - 8.5.1 Photop Technologies (II-VI Incorporated) Company Information
 - 8.5.2 Photop Technologies (II-VI Incorporated) Business Overview
 - 8.5.3 Photop Technologies (II-VI Incorporated) Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.5.4 Photop Technologies (II-VI Incorporated) Diffractive Optical Elements (DOE) Product Portfolio
 - 8.5.5 Photop Technologies (II-VI Incorporated) Recent Developments
- 8.6 Shimadzu Corporation
 - 8.6.1 Shimadzu Corporation Company Information
 - 8.6.2 Shimadzu Corporation Business Overview
 - 8.6.3 Shimadzu Corporation Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.6.4 Shimadzu Corporation Diffractive Optical Elements (DOE) Product Portfolio
 - 8.6.5 Shimadzu Corporation Recent Developments
- 8.7 Zeiss
 - 8.7.1 Zeiss Company Information
 - 8.7.2 Zeiss Business Overview
 - 8.7.3 Zeiss Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.7.4 Zeiss Diffractive Optical Elements (DOE) Product Portfolio
 - 8.7.5 Zeiss Recent Developments
- 8.8 SUSS MicroTec AG.
 - 8.8.1 SUSS MicroTec AG. Company Information
 - 8.8.2 SUSS MicroTec AG. Business Overview
 - 8.8.3 SUSS MicroTec AG. Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.8.4 SUSS MicroTec AG. Diffractive Optical Elements (DOE) Product Portfolio
 - 8.8.5 SUSS MicroTec AG. Recent Developments
- 8.9 Lightsmyth (Finisar)
 - 8.9.1 Lightsmyth (Finisar) Company Information
 - 8.9.2 Lightsmyth (Finisar) Business Overview
 - 8.9.3 Lightsmyth (Finisar) Diffractive Optical Elements (DOE) Sales, Revenue, Price

and Gross Margin (2019-2024)

8.9.4 Lightsmyth (Finisar) Diffractive Optical Elements (DOE) Product Portfolio

8.9.5 Lightsmyth (Finisar) Recent Developments

8.10 Edmund Optics

8.10.1 Edmund Optics Company Information

8.10.2 Edmund Optics Business Overview

8.10.3 Edmund Optics Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.10.4 Edmund Optics Diffractive Optical Elements (DOE) Product Portfolio

8.10.5 Edmund Optics Recent Developments

8.11 Optometrics (Dynasil)

8.11.1 Optometrics (Dynasil) Company Information

8.11.2 Optometrics (Dynasil) Business Overview

8.11.3 Optometrics (Dynasil) Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.11.4 Optometrics (Dynasil) Diffractive Optical Elements (DOE) Product Portfolio

8.11.5 Optometrics (Dynasil) Recent Developments

8.12 Headwall Photonics

8.12.1 Headwall Photonics Company Information

8.12.2 Headwall Photonics Business Overview

8.12.3 Headwall Photonics Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.12.4 Headwall Photonics Diffractive Optical Elements (DOE) Product Portfolio

8.12.5 Headwall Photonics Recent Developments

8.13 Plymouth Grating Lab

8.13.1 Plymouth Grating Lab Company Information

8.13.2 Plymouth Grating Lab Business Overview

8.13.3 Plymouth Grating Lab Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.13.4 Plymouth Grating Lab Diffractive Optical Elements (DOE) Product Portfolio

8.13.5 Plymouth Grating Lab Recent Developments

8.14 Wasatch Photonics

8.14.1 Wasatch Photonics Company Information

8.14.2 Wasatch Photonics Business Overview

8.14.3 Wasatch Photonics Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.14.4 Wasatch Photonics Diffractive Optical Elements (DOE) Product Portfolio

8.14.5 Wasatch Photonics Recent Developments

8.15 Spectrogon AB

- 8.15.1 Spectrogon AB Company Information
- 8.15.2 Spectrogon AB Business Overview
- 8.15.3 Spectrogon AB Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.15.4 Spectrogon AB Diffractive Optical Elements (DOE) Product Portfolio
- 8.15.5 Spectrogon AB Recent Developments
- 8.16 SILIOS Technologies
 - 8.16.1 SILIOS Technologies Company Information
 - 8.16.2 SILIOS Technologies Business Overview
 - 8.16.3 SILIOS Technologies Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.16.4 SILIOS Technologies Diffractive Optical Elements (DOE) Product Portfolio
 - 8.16.5 SILIOS Technologies Recent Developments
- 8.17 GratingWorks
 - 8.17.1 GratingWorks Company Information
 - 8.17.2 GratingWorks Business Overview
 - 8.17.3 GratingWorks Diffractive Optical Elements (DOE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.17.4 GratingWorks Diffractive Optical Elements (DOE) Product Portfolio
 - 8.17.5 GratingWorks Recent Developments

9 NORTH AMERICA

- 9.1 North America Diffractive Optical Elements (DOE) Market Size by Type
 - 9.1.1 North America Diffractive Optical Elements (DOE) Revenue by Type (2019-2030)
 - 9.1.2 North America Diffractive Optical Elements (DOE) Sales by Type (2019-2030)
 - 9.1.3 North America Diffractive Optical Elements (DOE) Price by Type (2019-2030)
- 9.2 North America Diffractive Optical Elements (DOE) Market Size by Application
 - 9.2.1 North America Diffractive Optical Elements (DOE) Revenue by Application (2019-2030)
 - 9.2.2 North America Diffractive Optical Elements (DOE) Sales by Application (2019-2030)
 - 9.2.3 North America Diffractive Optical Elements (DOE) Price by Application (2019-2030)
- 9.3 North America Diffractive Optical Elements (DOE) Market Size by Country
 - 9.3.1 North America Diffractive Optical Elements (DOE) Revenue Growth Rate by Country (2019 VS 2023 VS 2030)
 - 9.3.2 North America Diffractive Optical Elements (DOE) Sales by Country (2019 VS 2023 VS 2030)

9.3.3 North America Diffractive Optical Elements (DOE) Price by Country (2019-2030)

9.3.4 U.S.

9.3.5 Canada

10 EUROPE

10.1 Europe Diffractive Optical Elements (DOE) Market Size by Type

10.1.1 Europe Diffractive Optical Elements (DOE) Revenue by Type (2019-2030)

10.1.2 Europe Diffractive Optical Elements (DOE) Sales by Type (2019-2030)

10.1.3 Europe Diffractive Optical Elements (DOE) Price by Type (2019-2030)

10.2 Europe Diffractive Optical Elements (DOE) Market Size by Application

10.2.1 Europe Diffractive Optical Elements (DOE) Revenue by Application (2019-2030)

10.2.2 Europe Diffractive Optical Elements (DOE) Sales by Application (2019-2030)

10.2.3 Europe Diffractive Optical Elements (DOE) Price by Application (2019-2030)

10.3 Europe Diffractive Optical Elements (DOE) Market Size by Country

10.3.1 Europe Diffractive Optical Elements (DOE) Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

10.3.2 Europe Diffractive Optical Elements (DOE) Sales by Country (2019 VS 2023 VS 2030)

10.3.3 Europe Diffractive Optical Elements (DOE) Price by Country (2019-2030)

10.3.4 Germany

10.3.5 France

10.3.6 U.K.

10.3.7 Italy

10.3.8 Russia

11 CHINA

11.1 China Diffractive Optical Elements (DOE) Market Size by Type

11.1.1 China Diffractive Optical Elements (DOE) Revenue by Type (2019-2030)

11.1.2 China Diffractive Optical Elements (DOE) Sales by Type (2019-2030)

11.1.3 China Diffractive Optical Elements (DOE) Price by Type (2019-2030)

11.2 China Diffractive Optical Elements (DOE) Market Size by Application

11.2.1 China Diffractive Optical Elements (DOE) Revenue by Application (2019-2030)

11.2.2 China Diffractive Optical Elements (DOE) Sales by Application (2019-2030)

11.2.3 China Diffractive Optical Elements (DOE) Price by Application (2019-2030)

12 ASIA (EXCLUDING CHINA)

12.1 Asia Diffractive Optical Elements (DOE) Market Size by Type

12.1.1 Asia Diffractive Optical Elements (DOE) Revenue by Type (2019-2030)

12.1.2 Asia Diffractive Optical Elements (DOE) Sales by Type (2019-2030)

12.1.3 Asia Diffractive Optical Elements (DOE) Price by Type (2019-2030)

12.2 Asia Diffractive Optical Elements (DOE) Market Size by Application

12.2.1 Asia Diffractive Optical Elements (DOE) Revenue by Application (2019-2030)

12.2.2 Asia Diffractive Optical Elements (DOE) Sales by Application (2019-2030)

12.2.3 Asia Diffractive Optical Elements (DOE) Price by Application (2019-2030)

12.3 Asia Diffractive Optical Elements (DOE) Market Size by Country

12.3.1 Asia Diffractive Optical Elements (DOE) Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

12.3.2 Asia Diffractive Optical Elements (DOE) Sales by Country (2019 VS 2023 VS 2030)

12.3.3 Asia Diffractive Optical Elements (DOE) Price by Country (2019-2030)

12.3.4 Japan

12.3.5 South Korea

12.3.6 India

12.3.7 Australia

12.3.8 China Taiwan

12.3.9 Southeast Asia

13 MIDDLE EAST, AFRICA AND LATIN AMERICA

13.1 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Market Size by Type

13.1.1 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Revenue by Type (2019-2030)

13.1.2 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Sales by Type (2019-2030)

13.1.3 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Price by Type (2019-2030)

13.2 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Market Size by Application

13.2.1 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Revenue by Application (2019-2030)

13.2.2 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Sales by Application (2019-2030)

13.2.3 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Price

by Application (2019-2030)

13.3 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Market Size by Country

13.3.1 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

13.3.2 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Sales by Country (2019 VS 2023 VS 2030)

13.3.3 Middle East, Africa and Latin America Diffractive Optical Elements (DOE) Price by Country (2019-2030)

13.3.4 Mexico

13.3.5 Brazil

13.3.6 Israel

13.3.7 Argentina

13.3.8 Colombia

13.3.9 Turkey

13.3.10 Saudi Arabia

13.3.11 UAE

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

14.1 Diffractive Optical Elements (DOE) Value Chain Analysis

14.1.1 Diffractive Optical Elements (DOE) Key Raw Materials

14.1.2 Raw Materials Key Suppliers

14.1.3 Manufacturing Cost Structure

14.1.4 Diffractive Optical Elements (DOE) Production Mode & Process

14.2 Diffractive Optical Elements (DOE) Sales Channels Analysis

14.2.1 Direct Comparison with Distribution Share

14.2.2 Diffractive Optical Elements (DOE) Distributors

14.2.3 Diffractive Optical Elements (DOE) Customers

15 CONCLUDING INSIGHTS

16 APPENDIX

16.1 Reasons for Doing This Study

16.2 Research Methodology

16.3 Research Process

16.4 Authors List of This Report

16.5 Data Source

- 16.5.1 Secondary Sources
- 16.5.2 Primary Sources
- 16.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Diffractive Optical Elements (DOE) Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030

Table 2. Global Diffractive Optical Elements (DOE) Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030

Table 3. Beam Shaping (Top-Hat) Major Manufacturers

Table 4. Beam Splitting Major Manufacturers

Table 5. Beam Foci Major Manufacturers

Table 6. Global Diffractive Optical Elements (DOE) Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030

Table 7. Laser Material Processing Major Manufacturers

Table 8. Biomedical Equipment Major Manufacturers

Table 9. Others Major Manufacturers

Table 10. Diffractive Optical Elements (DOE) Industry Trends

Table 11. Diffractive Optical Elements (DOE) Industry Drivers

Table 12. Diffractive Optical Elements (DOE) Industry Opportunities and Challenges

Table 13. Diffractive Optical Elements (DOE) Industry Restraints

Table 14. Global Diffractive Optical Elements (DOE) Production Growth Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (K Units)

Table 15. Global Diffractive Optical Elements (DOE) Production by Region (2019-2024) & (K Units)

Table 16. Global Diffractive Optical Elements (DOE) Production by Region (2025-2030) & (K Units)

Table 17. Global Diffractive Optical Elements (DOE) Production Market Share by Region (2019-2024)

Table 18. Global Diffractive Optical Elements (DOE) Production Market Share by Region (2025-2030)

Table 19. Global Diffractive Optical Elements (DOE) Revenue Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Table 20. Global Diffractive Optical Elements (DOE) Revenue by Region (2019-2024) & (US\$ Million)

Table 21. Global Diffractive Optical Elements (DOE) Revenue by Region (2025-2030) & (US\$ Million)

Table 22. Global Diffractive Optical Elements (DOE) Revenue Market Share by Region (2019-2024)

Table 23. Global Diffractive Optical Elements (DOE) Revenue Market Share by Region

(2025-2030)

Table 24. Global Diffractive Optical Elements (DOE) Sales Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (K Units)

Table 25. Global Diffractive Optical Elements (DOE) Sales by Region (2019-2024) & (K Units)

Table 26. Global Diffractive Optical Elements (DOE) Sales by Region (2025-2030) & (K Units)

Table 27. Global Diffractive Optical Elements (DOE) Sales Market Share by Region (2019-2024)

Table 28. Global Diffractive Optical Elements (DOE) Sales Market Share by Region (2025-2030)

Table 29. Global Diffractive Optical Elements (DOE) Revenue by Manufacturers (US\$ Million) & (2019-2024)

Table 30. Global Diffractive Optical Elements (DOE) Revenue Market Share by Manufacturers (2019-2024)

Table 31. Global Diffractive Optical Elements (DOE) Sales by Manufacturers (US\$ Million) & (2019-2024)

Table 32. Global Diffractive Optical Elements (DOE) Sales Market Share by Manufacturers (2019-2024)

Table 33. Global Diffractive Optical Elements (DOE) Sales Price (USD/Unit) of Manufacturers (2019-2024)

Table 34. Global Diffractive Optical Elements (DOE) Key Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 35. Global Diffractive Optical Elements (DOE) Key Manufacturers Manufacturing Sites & Headquarters

Table 36. Global Diffractive Optical Elements (DOE) Manufacturers, Product Type & Application

Table 37. Global Diffractive Optical Elements (DOE) Manufacturers Commercialization Time

Table 38. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 39. Global Diffractive Optical Elements (DOE) by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)

Table 40. Global Diffractive Optical Elements (DOE) Revenue by Type 2019 VS 2023 VS 2030 (US\$ Million)

Table 41. Global Diffractive Optical Elements (DOE) Revenue by Type (2019-2024) & (US\$ Million)

Table 42. Global Diffractive Optical Elements (DOE) Revenue by Type (2025-2030) & (US\$ Million)

Table 43. Global Diffractive Optical Elements (DOE) Revenue Market Share by Type

(2019-2024)

Table 44. Global Diffractive Optical Elements (DOE) Revenue Market Share by Type (2025-2030)

Table 45. Global Diffractive Optical Elements (DOE) Sales by Type 2019 VS 2023 VS 2030 (K Units)

Table 46. Global Diffractive Optical Elements (DOE) Sales by Type (2019-2024) & (K Units)

Table 47. Global Diffractive Optical Elements (DOE) Sales by Type (2025-2030) & (K Units)

Table 48. Global Diffractive Optical Elements (DOE) Sales Market Share by Type (2019-2024)

Table 49. Global Diffractive Optical Elements (DOE) Sales Market Share by Type (2025-2030)

Table 50. Global Diffractive Optical Elements (DOE) Price by Type (2019-2024) & (USD/Unit)

Table 51. Global Diffractive Optical Elements (DOE) Price by Type (2025-2030) & (USD/Unit)

Table 52. Global Diffractive Optical Elements (DOE) Revenue by Application 2019 VS 2023 VS 2030 (US\$ Million)

Table 53. Global Diffractive Optical Elements (DOE) Revenue by Application (2019-2024) & (US\$ Million)

Table 54. Global Diffractive Optical Elements (DOE) Revenue by Application (2025-2030) & (US\$ Million)

Table 55. Global Diffractive Optical Elements (DOE) Revenue Market Share by Application (2019-2024)

Table 56. Global Diffractive Optical Elements (DOE) Revenue Market Share by Application (2025-2030)

Table 57. Global Diffractive Optical Elements (DOE) Sales by Application 2019 VS 2023 VS 2030 (K Units)

Table 58. Global Diffractive Optical Elements (DOE) Sales by Application (2019-2024) & (K Units)

Table 59. Global Diffractive Optical Elements (DOE) Sales by Application (2025-2030) & (K Units)

Table 60. Global Diffractive Optical Elements (DOE) Sales Market Share by Application (2019-2024)

Table 61. Global Diffractive Optical Elements (DOE) Sales Market Share by Application (2025-2030)

Table 62. Global Diffractive Optical Elements (DOE) Price by Application (2019-2024) & (USD/Unit)

Table 63. Global Diffractive Optical Elements (DOE) Price by Application (2025-2030) & (USD/Unit)

Table 64. Holo/Or Ltd. Company Information

Table 65. Holo/Or Ltd. Business Overview

Table 66. Holo/Or Ltd. Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 67. Holo/Or Ltd. Diffractive Optical Elements (DOE) Product Portfolio

Table 68. Holo/Or Ltd. Recent Development

Table 69. HORIBA Company Information

Table 70. HORIBA Business Overview

Table 71. HORIBA Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 72. HORIBA Diffractive Optical Elements (DOE) Product Portfolio

Table 73. HORIBA Recent Development

Table 74. Newport Corporation Company Information

Table 75. Newport Corporation Business Overview

Table 76. Newport Corporation Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 77. Newport Corporation Diffractive Optical Elements (DOE) Product Portfolio

Table 78. Newport Corporation Recent Development

Table 79. Jenoptik Company Information

Table 80. Jenoptik Business Overview

Table 81. Jenoptik Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. Jenoptik Diffractive Optical Elements (DOE) Product Portfolio

Table 83. Jenoptik Recent Development

Table 84. Photop Technologies (II-VI Incorporated) Company Information

Table 85. Photop Technologies (II-VI Incorporated) Business Overview

Table 86. Photop Technologies (II-VI Incorporated) Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. Photop Technologies (II-VI Incorporated) Diffractive Optical Elements (DOE) Product Portfolio

Table 88. Photop Technologies (II-VI Incorporated) Recent Development

Table 89. Shimadzu Corporation Company Information

Table 90. Shimadzu Corporation Business Overview

Table 91. Shimadzu Corporation Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 92. Shimadzu Corporation Diffractive Optical Elements (DOE) Product Portfolio

- Table 93. Shimadzu Corporation Recent Development
- Table 94. Zeiss Company Information
- Table 95. Zeiss Business Overview
- Table 96. Zeiss Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 97. Zeiss Diffractive Optical Elements (DOE) Product Portfolio
- Table 98. Zeiss Recent Development
- Table 99. SUSS MicroTec AG. Company Information
- Table 100. SUSS MicroTec AG. Business Overview
- Table 101. SUSS MicroTec AG. Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 102. SUSS MicroTec AG. Diffractive Optical Elements (DOE) Product Portfolio
- Table 103. SUSS MicroTec AG. Recent Development
- Table 104. Lightsmyth (Finisar) Company Information
- Table 105. Lightsmyth (Finisar) Business Overview
- Table 106. Lightsmyth (Finisar) Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 107. Lightsmyth (Finisar) Diffractive Optical Elements (DOE) Product Portfolio
- Table 108. Lightsmyth (Finisar) Recent Development
- Table 109. Edmund Optics Company Information
- Table 110. Edmund Optics Business Overview
- Table 111. Edmund Optics Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 112. Edmund Optics Diffractive Optical Elements (DOE) Product Portfolio
- Table 113. Edmund Optics Recent Development
- Table 114. Optometrics (Dynasil) Company Information
- Table 115. Optometrics (Dynasil) Business Overview
- Table 116. Optometrics (Dynasil) Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 117. Optometrics (Dynasil) Diffractive Optical Elements (DOE) Product Portfolio
- Table 118. Optometrics (Dynasil) Recent Development
- Table 119. Headwall Photonics Company Information
- Table 120. Headwall Photonics Business Overview
- Table 121. Headwall Photonics Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 122. Headwall Photonics Diffractive Optical Elements (DOE) Product Portfolio
- Table 123. Headwall Photonics Recent Development
- Table 124. Plymouth Grating Lab Company Information
- Table 125. Plymouth Grating Lab Business Overview

Table 126. Plymouth Grating Lab Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 127. Plymouth Grating Lab Diffractive Optical Elements (DOE) Product Portfolio

Table 128. Plymouth Grating Lab Recent Development

Table 129. Wasatch Photonics Company Information

Table 130. Wasatch Photonics Business Overview

Table 131. Wasatch Photonics Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 132. Wasatch Photonics Diffractive Optical Elements (DOE) Product Portfolio

Table 133. Wasatch Photonics Recent Development

Table 134. Spectrogon AB Company Information

Table 135. Spectrogon AB Business Overview

Table 136. Spectrogon AB Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 137. Spectrogon AB Diffractive Optical Elements (DOE) Product Portfolio

Table 138. Spectrogon AB Recent Development

Table 139. SILIOS Technologies Company Information

Table 140. SILIOS Technologies Business Overview

Table 141. SILIOS Technologies Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 142. SILIOS Technologies Diffractive Optical Elements (DOE) Product Portfolio

Table 143. SILIOS Technologies Recent Development

Table 144. GratingWorks Company Information

Table 145. GratingWorks Business Overview

Table 146. GratingWorks Diffractive Optical Elements (DOE) Sales (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 147. GratingWorks Diffractive Optical Elements (DOE) Product Portfolio

Table 148. GratingWorks Recent Development

Table 149. North America Diffractive Optical Elements (DOE) Rev

I would like to order

Product name: Global Diffractive Optical Elements (DOE) Market Analysis and Forecast 2024-2030

Product link: <https://marketpublishers.com/r/G6FA67B9F687EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6FA67B9F687EN.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