

# Diffraction Optical Elements Market, Global Outlook and Forecast 2022-2028

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## Abstracts

Diffraction 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. Diffraction 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 diffraction optical element (DOE), it can be transformed into an almost arbitrary light pattern in the observation plane.

This report contains market size and forecasts of Diffraction Optical Elements in global, including the following market information:

Global Diffraction Optical Elements Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Diffraction Optical Elements Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Diffraction Optical Elements companies in 2021 (%)

The global Diffraction Optical Elements market was valued at 358.7 million in 2021 and is projected to reach US\$ 458.8 million by 2028, at a CAGR of 3.6% during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Beam Shaping (Top-Hat) Segment to Reach \$ Million by 2028, with a % CAGR in next

six years.

The global key manufacturers of Diffractive Optical Elements include Shimadzu Corporation, Newport Corporation (MKS Instruments), II-VI Incorporated, SUSS MicroTec AG, Zeiss, HORIBA, Jenoptik, Holo/Or Ltd. and Edmund Optics, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Diffractive Optical Elements manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Diffractive Optical Elements Market, by Power, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Diffractive Optical Elements Market Segment Percentages, by Power, 2021 (%)

Beam Shaping (Top-Hat)

Beam Splitting

Beam Foci

Global Diffractive Optical Elements Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Diffractive Optical Elements Market Segment Percentages, by Application, 2021 (%)

Laser Material Processing

Biomedical Equipment

Others

Global Diffractive Optical Elements Market, By Region and Country, 2017-2022,  
2023-2028 (\$ Millions) & (K Units)

Global Diffractive Optical Elements Market Segment Percentages, By Region and  
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

## Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Diffractive Optical Elements revenues in global market, 2017-2022  
(Estimated), (\$ millions)

Key companies Diffractive Optical Elements revenues share in global market, 2021 (%)

Key companies Diffractive Optical Elements sales in global market, 2017-2022  
(Estimated), (K Units)

Key companies Diffractive Optical Elements sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

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

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