

Plane Blazed Holographic Gratings Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/P272CA2F39EAEN.html>

Date: April 2022

Pages: 77

Price: US\$ 3,250.00 (Single User License)

ID: P272CA2F39EAEN

Abstracts

Planar blazed holographic gratings are commonly used in stray light applications. The substrate is coated with a photosensitive material, and the substrate coated with the photosensitive material is placed between the intersecting beams composed of monochromatic light and coherent beams generated by the laser, so that the photosensitive material is sensitized. The intersecting laser beams produce a series of parallel and equidistant interference fringes whose intensity varies in a sinusoidal shape. Since the solubility of the photosensitive material is determined by the light intensity irradiated to it, the interference fringes show different light intensities on the surface of the photosensitive material. The substrate can then be reflectively coated and then used for replication using the same process as the original scribed grating.

This report contains market size and forecasts of Plane Blazed Holographic Gratings in global, including the following market information:

Global Plane Blazed Holographic Gratings Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Plane Blazed Holographic Gratings Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Plane Blazed Holographic Gratings companies in 2021 (%)

The global Plane Blazed Holographic Gratings market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % 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.

Reflection Grating Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Plane Blazed Holographic Gratings include HORIBA, Shimadzu, Newport, Spectrum Scientific, Acal BFi, Thorlabs, Edmund Optics, Optometrics and Carl Zeiss AG, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Plane Blazed Holographic Gratings 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 Plane Blazed Holographic Gratings Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Plane Blazed Holographic Gratings Market Segment Percentages, by Type, 2021 (%)

Reflection Grating

Transmission Grating

Global Plane Blazed Holographic Gratings Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Plane Blazed Holographic Gratings Market Segment Percentages, by Application, 2021 (%)

Spectrometer

Laser

Aerospace

Others

Global Plane Blazed Holographic Gratings Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Plane Blazed Holographic Gratings 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 Plane Blazed Holographic Gratings revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Plane Blazed Holographic Gratings revenues share in global market, 2021 (%)

Key companies Plane Blazed Holographic Gratings sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Plane Blazed Holographic Gratings sales share in global market, 2021 (%)

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

HORIBA

Shimadzu

Newport

Spectrum Scientific

Acal BFi

Thorlabs

Edmund Optics

Optometrics

Carl Zeiss AG

Spectrogon

OPCO Laboratory

Headwall Photonics

Wasatch Photonics

Shenyang Ebetter Optics

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