

2018-2023 Global Holographic Grating Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Holographic Grating market for 2018-2023. A holographic grating is a type of diffraction grating formed by an interference-fringe field of two laser beams whose standing-wave pattern is exposed to a polished substrate coated with photoresist. Processing of the exposed medium results in a pattern of straight lines with a sinusoidal crosssection.

A diffraction grating is an optical element that diffracts energy into its constituent wavelengths. The groove density, depth and profile of a diffraction grating dictate the spectral range, efficiency, resolution and performance of the diffraction grating. There are typically two different types of diffraction grating – the ruled grating and the holographic grating. A ruled diffraction grating is produced by a ruling engine that cuts grooves into the coating on the grating substrate (typically glass coated with a thin reflective layer) using a diamond tipped tool. A holographic diffraction grating is produced using a photolithographic technique. The most common type of holographic diffraction grating are plane gratings and concave gratings.

The market is driven by various end-user industries, such as spectroscopic, telecommunications and laser applications, as well as for research and education. As the downstream consumption usually follows with developed and rapid economic growth areas, such as BRICS, the developed areas' company prefers investing to underdevelopment regions these years.

A Holographic Grating is an optical component with a periodic structure, which splits and diffracts light into several beams travelling in different directions in order of wavelength. Diffractive optics helps bring high-performance spectral analysis-using hyperspectral or Raman-into the field for science and remote sensing, onto the

production line for advanced machine vision, and into the laboratory.

The leading companies own the advantages on better performance, more abundant product's types, better technical and impeccable after-sales service. Consequently, they take the majority of the market share of high-end market. Looking to the future years, the slow downward price trend in recent years will maintain. As competition intensifies, prices gap between different brands will go narrowing. Similarly, there will be fluctuation in gross margin.

The industry is expected to remain innovation-led, with frequent acquisitions and strategic alliances adopted as the key strategies by the players to increase their industry presence. Meanwhile, optimize product mix and further develop value-added capabilities to maximize margins. Manufacturers can take advantage of this situation by reinforcing their production units and supply-chains to avoid any delay in production turn-around-times (TAT) and supply-lead-times.

Significant and lasting barriers make entry into this market difficult. These barriers include, but are not limited to: (i) product development costs; (ii) capital requirements; (iii) intellectual property rights; (iv) regulatory requirement; and (v) Transitions' unfair methods of competition.

Despite the presence of competition problems, due to the global recovery trend is clear, investors are still optimistic about this area, the future will still have more new investment enter the field. Even so, the market is intensely competitive. The study group recommends the new entrants just having money but without technical advantage and upstream and downstream support do not to enter into this field.

Over the next five years, LPI(LP Information) projects that Holographic Grating will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Holographic Grating market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Plane Type Holographic Grating

Concave Type Holographic Grating

Segmentation by application:

Monochromator and Spectrometer

Laser

Optical Telecom

Astronomy

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

HORIBA

Newport Corporation

Edmund Optics

Shimadzu Corporation

Kaiser Optical Systems

Lightsmyth (Finisar)

Plymouth Grating Lab

Zeiss

Optometrics (Dynasil)

Headwall Photonics

Spectrogon AB

Thorlabs

Spectrum Scientific

Photop Technologies

Wasatch Photonics

GratingWorks

Shenyang Yibeite Optics

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

RESEARCH OBJECTIVES

To study and analyze the global Holographic Grating consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Holographic Grating market by identifying its various subsegments.

Focuses on the key global Holographic Grating manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Holographic Grating with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Holographic Grating submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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