

# Global Holographic Grating Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

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## Abstracts

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.

According to APO Research, The global Holographic Grating 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.

Global Holographic Grating key players include HORIBA, Newport Corporation, Edmund Optics, Shimadzu Corporation, Zeiss, etc. Global top five manufacturers hold a share over 40%.

North America is the largest market, with a share about 35%, followed by Japan, and Europe, both have a share over 40 percent.

In terms of product, Concave Type Holographic Grating is the largest segment, with a share over 60%. And in terms of application, the largest application is Monochromator and Spectrometer, followed by Laser, Optical Communication, Astronomy, etc.

This report presents an overview of global market for Holographic Grating, sales, 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 Holographic Grating, also provides the sales of main regions and countries. Of the upcoming market potential for Holographic Grating, 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 Holographic Grating sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Holographic Grating 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 Holographic Grating sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including HORIBA, Newport Corporation, Edmund Optics, Shimadzu Corporation, Zeiss, Dynasil Corporation, Kaiser Optical Systems, Spectrogon AB and Headwall Photonics, etc.

#### Holographic Grating segment by Company

HORIBA

Newport Corporation

Edmund Optics

Shimadzu Corporation

Zeiss

Dynasil Corporation

Kaiser Optical Systems

Spectrogon AB

Headwall Photonics

Thorlabs

Photop Technologies

Spectrum Scientific

Wasatch Photonics

GratingWorks

Shenyang Yibeite Optics

#### Holographic Grating segment by Type

Plane Type Holographic Grating

Concave Type Holographic Grating

#### Holographic Grating segment by Application

Laser

Astronomy

Optical Telecom

Monochromator and Spectrometer

Others

### Holographic Grating 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 Holographic Grating status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, sales, 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 Holographic Grating market potential and advantage, opportunity and challenge, restraints, and risks.

5. To identify Holographic Grating significant trends, drivers, influence factors in global and regions.

6. To analyze Holographic Grating 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 Holographic Grating 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 Holographic Grating 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 sales 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 Holographic Grating.

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

### Chapter Outline

Chapter 1: Provides an overview of the Holographic Grating market, including product

definition, global market growth prospects, sales value, sales volume, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Holographic Grating industry.

Chapter 3: Detailed analysis of Holographic Grating manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Sales and value of Holographic Grating in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7: Sales and value of Holographic Grating in country level. It provides sigmate data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights.

Chapter 10: Concluding Insights.

## Contents

### **1 MARKET OVERVIEW**

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
  - 1.2.1 Global Holographic Grating Sales Value (2019-2030)
  - 1.2.2 Global Holographic Grating Sales Volume (2019-2030)
  - 1.2.3 Global Holographic Grating Sales Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

### **2 HOLOGRAPHIC GRATING MARKET DYNAMICS**

- 2.1 Holographic Grating Industry Trends
- 2.2 Holographic Grating Industry Drivers
- 2.3 Holographic Grating Industry Opportunities and Challenges
- 2.4 Holographic Grating Industry Restraints

### **3 HOLOGRAPHIC GRATING MARKET BY COMPANY**

- 3.1 Global Holographic Grating Company Revenue Ranking in 2023
- 3.2 Global Holographic Grating Revenue by Company (2019-2024)
- 3.3 Global Holographic Grating Sales Volume by Company (2019-2024)
- 3.4 Global Holographic Grating Average Price by Company (2019-2024)
- 3.5 Global Holographic Grating Company Ranking, 2022 VS 2023 VS 2024
- 3.6 Global Holographic Grating Company Manufacturing Base & Headquarters
- 3.7 Global Holographic Grating Company, Product Type & Application
- 3.8 Global Holographic Grating Company Commercialization Time
- 3.9 Market Competitive Analysis
  - 3.9.1 Global Holographic Grating Market CR5 and HHI
  - 3.9.2 Global Top 5 and 10 Company Market Share by Revenue in 2023
  - 3.9.3 2023 Holographic Grating Tier 1, Tier 2, and Tier
- 3.10 Mergers & Acquisitions, Expansion

### **4 HOLOGRAPHIC GRATING MARKET BY TYPE**

- 4.1 Holographic Grating Type Introduction
  - 4.1.1 Plane Type Holographic Grating



- 4.1.2 Concave Type Holographic Grating
- 4.2 Global Holographic Grating Sales Volume by Type
  - 4.2.1 Global Holographic Grating Sales Volume by Type (2019 VS 2023 VS 2030)
  - 4.2.2 Global Holographic Grating Sales Volume by Type (2019-2030)
  - 4.2.3 Global Holographic Grating Sales Volume Share by Type (2019-2030)
- 4.3 Global Holographic Grating Sales Value by Type
  - 4.3.1 Global Holographic Grating Sales Value by Type (2019 VS 2023 VS 2030)
  - 4.3.2 Global Holographic Grating Sales Value by Type (2019-2030)
  - 4.3.3 Global Holographic Grating Sales Value Share by Type (2019-2030)

## **5 HOLOGRAPHIC GRATING MARKET BY APPLICATION**

- 5.1 Holographic Grating Application Introduction
  - 5.1.1 Laser
  - 5.1.2 Astronomy
  - 5.1.3 Optical Telecom
  - 5.1.4 Monochromator and Spectrometer
  - 5.1.5 Others
- 5.2 Global Holographic Grating Sales Volume by Application
  - 5.2.1 Global Holographic Grating Sales Volume by Application (2019 VS 2023 VS 2030)
  - 5.2.2 Global Holographic Grating Sales Volume by Application (2019-2030)
  - 5.2.3 Global Holographic Grating Sales Volume Share by Application (2019-2030)
- 5.3 Global Holographic Grating Sales Value by Application
  - 5.3.1 Global Holographic Grating Sales Value by Application (2019 VS 2023 VS 2030)
  - 5.3.2 Global Holographic Grating Sales Value by Application (2019-2030)
  - 5.3.3 Global Holographic Grating Sales Value Share by Application (2019-2030)

## **6 HOLOGRAPHIC GRATING MARKET BY REGION**

- 6.1 Global Holographic Grating Sales by Region: 2019 VS 2023 VS 2030
- 6.2 Global Holographic Grating Sales by Region (2019-2030)
  - 6.2.1 Global Holographic Grating Sales by Region: 2019-2024
  - 6.2.2 Global Holographic Grating Sales by Region (2025-2030)
- 6.3 Global Holographic Grating Sales Value by Region: 2019 VS 2023 VS 2030
- 6.4 Global Holographic Grating Sales Value by Region (2019-2030)
  - 6.4.1 Global Holographic Grating Sales Value by Region: 2019-2024
  - 6.4.2 Global Holographic Grating Sales Value by Region (2025-2030)
- 6.5 Global Holographic Grating Market Price Analysis by Region (2019-2024)

## 6.6 North America

6.6.1 North America Holographic Grating Sales Value (2019-2030)

6.6.2 North America Holographic Grating Sales Value Share by Country, 2023 VS 2030

## 6.7 Europe

6.7.1 Europe Holographic Grating Sales Value (2019-2030)

6.7.2 Europe Holographic Grating Sales Value Share by Country, 2023 VS 2030

## 6.8 Asia-Pacific

6.8.1 Asia-Pacific Holographic Grating Sales Value (2019-2030)

6.8.2 Asia-Pacific Holographic Grating Sales Value Share by Country, 2023 VS 2030

## 6.9 Latin America

6.9.1 Latin America Holographic Grating Sales Value (2019-2030)

6.9.2 Latin America Holographic Grating Sales Value Share by Country, 2023 VS 2030

## 6.10 Middle East & Africa

6.10.1 Middle East & Africa Holographic Grating Sales Value (2019-2030)

6.10.2 Middle East & Africa Holographic Grating Sales Value Share by Country, 2023 VS 2030

## 7 HOLOGRAPHIC GRATING MARKET BY COUNTRY

7.1 Global Holographic Grating Sales by Country: 2019 VS 2023 VS 2030

7.2 Global Holographic Grating Sales Value by Country: 2019 VS 2023 VS 2030

7.3 Global Holographic Grating Sales by Country (2019-2030)

7.3.1 Global Holographic Grating Sales by Country (2019-2024)

7.3.2 Global Holographic Grating Sales by Country (2025-2030)

7.4 Global Holographic Grating Sales Value by Country (2019-2030)

7.4.1 Global Holographic Grating Sales Value by Country (2019-2024)

7.4.2 Global Holographic Grating Sales Value by Country (2025-2030)

### 7.5 USA

7.5.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)

7.5.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030

7.5.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030

### 7.6 Canada

7.6.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)

7.6.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030

7.6.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030

### 7.7 Germany

7.7.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)

7.7.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030

- 7.7.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.8 France
  - 7.8.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.8.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.8.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.9 U.K.
  - 7.9.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.9.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.9.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.10 Italy
  - 7.10.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.10.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.10.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.11 Netherlands
  - 7.11.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.11.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.11.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.12 Nordic Countries
  - 7.12.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.12.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.12.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.13 China
  - 7.13.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.13.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.13.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.14 Japan
  - 7.14.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.14.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.14.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.15 South Korea
  - 7.15.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.15.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.15.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.16 Southeast Asia
  - 7.16.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.16.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.16.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.17 India
  - 7.17.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)

- 7.17.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
- 7.17.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.18 Australia
  - 7.18.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.18.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.18.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.19 Mexico
  - 7.19.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.19.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.19.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.20 Brazil
  - 7.20.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.20.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.20.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.21 Turkey
  - 7.21.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.21.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.21.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.22 Saudi Arabia
  - 7.22.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.22.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.22.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030
- 7.23 UAE
  - 7.23.1 Global Holographic Grating Sales Value Growth Rate (2019-2030)
  - 7.23.2 Global Holographic Grating Sales Value Share by Type, 2023 VS 2030
  - 7.23.3 Global Holographic Grating Sales Value Share by Application, 2023 VS 2030

## **8 COMPANY PROFILES**

### **8.1 HORIBA**

- 8.1.1 HORIBA Company Information
- 8.1.2 HORIBA Business Overview
- 8.1.3 HORIBA Holographic Grating Sales, Value and Gross Margin (2019-2024)
- 8.1.4 HORIBA Holographic Grating Product Portfolio
- 8.1.5 HORIBA Recent Developments

### **8.2 Newport Corporation**

- 8.2.1 Newport Corporation Company Information
- 8.2.2 Newport Corporation Business Overview
- 8.2.3 Newport Corporation Holographic Grating Sales, Value and Gross Margin

(2019-2024)

8.2.4 Newport Corporation Holographic Grating Product Portfolio

8.2.5 Newport Corporation Recent Developments

8.3 Edmund Optics

8.3.1 Edmund Optics Company Information

8.3.2 Edmund Optics Business Overview

8.3.3 Edmund Optics Holographic Grating Sales, Value and Gross Margin (2019-2024)

8.3.4 Edmund Optics Holographic Grating Product Portfolio

8.3.5 Edmund Optics Recent Developments

8.4 Shimadzu Corporation

8.4.1 Shimadzu Corporation Company Information

8.4.2 Shimadzu Corporation Business Overview

8.4.3 Shimadzu Corporation Holographic Grating Sales, Value and Gross Margin

(2019-2024)

8.4.4 Shimadzu Corporation Holographic Grating Product Portfolio

8.4.5 Shimadzu Corporation Recent Developments

8.5 Zeiss

8.5.1 Zeiss Company Information

8.5.2 Zeiss Business Overview

8.5.3 Zeiss Holographic Grating Sales, Value and Gross Margin (2019-2024)

8.5.4 Zeiss Holographic Grating Product Portfolio

8.5.5 Zeiss Recent Developments

8.6 Dynasil Corporation

8.6.1 Dynasil Corporation Company Information

8.6.2 Dynasil Corporation Business Overview

8.6.3 Dynasil Corporation Holographic Grating Sales, Value and Gross Margin

(2019-2024)

8.6.4 Dynasil Corporation Holographic Grating Product Portfolio

8.6.5 Dynasil Corporation Recent Developments

8.7 Kaiser Optical Systems

8.7.1 Kaiser Optical Systems Company Information

8.7.2 Kaiser Optical Systems Business Overview

8.7.3 Kaiser Optical Systems Holographic Grating Sales, Value and Gross Margin

(2019-2024)

8.7.4 Kaiser Optical Systems Holographic Grating Product Portfolio

8.7.5 Kaiser Optical Systems Recent Developments

8.8 Spectrogon AB

8.8.1 Spectrogon AB Company Information

8.8.2 Spectrogon AB Business Overview

- 8.8.3 Spectrogon AB Holographic Grating Sales, Value and Gross Margin (2019-2024)
- 8.8.4 Spectrogon AB Holographic Grating Product Portfolio
- 8.8.5 Spectrogon AB Recent Developments
- 8.9 Headwall Photonics
  - 8.9.1 Headwall Photonics Company Information
  - 8.9.2 Headwall Photonics Business Overview
  - 8.9.3 Headwall Photonics Holographic Grating Sales, Value and Gross Margin (2019-2024)
  - 8.9.4 Headwall Photonics Holographic Grating Product Portfolio
  - 8.9.5 Headwall Photonics Recent Developments
- 8.10 Thorlabs
  - 8.10.1 Thorlabs Company Information
  - 8.10.2 Thorlabs Business Overview
  - 8.10.3 Thorlabs Holographic Grating Sales, Value and Gross Margin (2019-2024)
  - 8.10.4 Thorlabs Holographic Grating Product Portfolio
  - 8.10.5 Thorlabs Recent Developments
- 8.11 Photop Technologies
  - 8.11.1 Photop Technologies Company Information
  - 8.11.2 Photop Technologies Business Overview
  - 8.11.3 Photop Technologies Holographic Grating Sales, Value and Gross Margin (2019-2024)
  - 8.11.4 Photop Technologies Holographic Grating Product Portfolio
  - 8.11.5 Photop Technologies Recent Developments
- 8.12 Spectrum Scientific
  - 8.12.1 Spectrum Scientific Company Information
  - 8.12.2 Spectrum Scientific Business Overview
  - 8.12.3 Spectrum Scientific Holographic Grating Sales, Value and Gross Margin (2019-2024)
  - 8.12.4 Spectrum Scientific Holographic Grating Product Portfolio
  - 8.12.5 Spectrum Scientific Recent Developments
- 8.13 Wasatch Photonics
  - 8.13.1 Wasatch Photonics Company Information
  - 8.13.2 Wasatch Photonics Business Overview
  - 8.13.3 Wasatch Photonics Holographic Grating Sales, Value and Gross Margin (2019-2024)
  - 8.13.4 Wasatch Photonics Holographic Grating Product Portfolio
  - 8.13.5 Wasatch Photonics Recent Developments
- 8.14 GratingWorks
  - 8.14.1 GratingWorks Company Information

- 8.14.2 GratingWorks Business Overview
- 8.14.3 GratingWorks Holographic Grating Sales, Value and Gross Margin (2019-2024)
- 8.14.4 GratingWorks Holographic Grating Product Portfolio
- 8.14.5 GratingWorks Recent Developments
- 8.15 Shenyang Yibeite Optics
  - 8.15.1 Shenyang Yibeite Optics Company Information
  - 8.15.2 Shenyang Yibeite Optics Business Overview
  - 8.15.3 Shenyang Yibeite Optics Holographic Grating Sales, Value and Gross Margin (2019-2024)
  - 8.15.4 Shenyang Yibeite Optics Holographic Grating Product Portfolio
  - 8.15.5 Shenyang Yibeite Optics Recent Developments

## **9 VALUE CHAIN AND SALES CHANNELS ANALYSIS**

- 9.1 Holographic Grating Value Chain Analysis
  - 9.1.1 Holographic Grating Key Raw Materials
  - 9.1.2 Raw Materials Key Suppliers
  - 9.1.3 Manufacturing Cost Structure
  - 9.1.4 Holographic Grating Sales Mode & Process
- 9.2 Holographic Grating Sales Channels Analysis
  - 9.2.1 Direct Comparison with Distribution Share
  - 9.2.2 Holographic Grating Distributors
  - 9.2.3 Holographic Grating Customers

## **10 CONCLUDING INSIGHTS**

## **11 APPENDIX**

- 11.1 Reasons for Doing This Study
- 11.2 Research Methodology
- 11.3 Research Process
- 11.4 Authors List of This Report
- 11.5 Data Source
  - 11.5.1 Secondary Sources
  - 11.5.2 Primary Sources
- 11.6 Disclaimer

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