

Global Holographic Grating Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Holographic Grating market size is expected to reach \$ 317 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

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.

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 studies the global Holographic Grating production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Holographic Grating and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Holographic Grating that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Holographic Grating total production and demand, 2021-2032, (K Units)

Global Holographic Grating total production value, 2021-2032, (USD Million)

Global Holographic Grating production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Holographic Grating consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Holographic Grating domestic production, consumption, key domestic manufacturers and share

Global Holographic Grating production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Holographic Grating production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Holographic Grating production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Holographic Grating market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include HORIBA, Newport Corporation, Edmund Optics, Shimadzu Corporation, Zeiss, Dynasil Corporation, Kaiser Optical Systems, Spectrogon AB, Headwall Photonics, Thorlabs, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Holographic Grating market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Holographic Grating Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Holographic Grating Market, Segmentation by Type:

Plane Type Holographic Grating

Concave Type Holographic Grating

Global Holographic Grating Market, Segmentation by Application:

Laser

Astronomy

Optical Telecom

Monochromator and Spectrometer

Others

Companies Profiled:

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

Key Questions Answered:

1. How big is the global Holographic Grating market?
2. What is the demand of the global Holographic Grating market?
3. What is the year over year growth of the global Holographic Grating market?
4. What is the production and production value of the global Holographic Grating market?
5. Who are the key producers in the global Holographic Grating market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 SCADA Introduction
- 1.2 World SCADA Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World SCADA Total Market by Region (by Headquarter Location)
 - 1.3.1 World SCADA Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company SCADA Revenue (2021-2032)
 - 1.3.3 China Based Company SCADA Revenue (2021-2032)
 - 1.3.4 Europe Based Company SCADA Revenue (2021-2032)
 - 1.3.5 Japan Based Company SCADA Revenue (2021-2032)
 - 1.3.6 South Korea Based Company SCADA Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company SCADA Revenue (2021-2032)
 - 1.3.8 India Based Company SCADA Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 SCADA Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World SCADA Consumption Value (2021-2032)
- 2.2 World SCADA Consumption Value by Region
 - 2.2.1 World SCADA Consumption Value by Region (2021-2026)
 - 2.2.2 World SCADA Consumption Value Forecast by Region (2027-2032)
- 2.3 United States SCADA Consumption Value (2021-2032)
- 2.4 China SCADA Consumption Value (2021-2032)
- 2.5 Europe SCADA Consumption Value (2021-2032)
- 2.6 Japan SCADA Consumption Value (2021-2032)
- 2.7 South Korea SCADA Consumption Value (2021-2032)
- 2.8 ASEAN SCADA Consumption Value (2021-2032)
- 2.9 India SCADA Consumption Value (2021-2032)

3 WORLD SCADA COMPANIES COMPETITIVE ANALYSIS

- 3.1 World SCADA Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)
 - 3.2.1 Global SCADA Industry Rank of Major Players

- 3.2.2 Global Concentration Ratios (CR4) for SCADA in 2025
- 3.2.3 Global Concentration Ratios (CR8) for SCADA in 2025
- 3.3 SCADA Company Evaluation Quadrant
- 3.4 SCADA Market: Overall Company Footprint Analysis
 - 3.4.1 SCADA Market: Region Footprint
 - 3.4.2 SCADA Market: Company Product Type Footprint
 - 3.4.3 SCADA Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: SCADA Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: SCADA Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: SCADA Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: SCADA Consumption Value Comparison
 - 4.2.1 United States VS China: SCADA Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: SCADA Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based SCADA Companies and Market Share, 2021-2026
 - 4.3.1 United States Based SCADA Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies SCADA Revenue, (2021-2026)
- 4.4 China Based Companies SCADA Revenue and Market Share, 2021-2026
 - 4.4.1 China Based SCADA Companies, Company Headquarters (Province, Country)
 - 4.4.2 China Based Companies SCADA Revenue, (2021-2026)
- 4.5 Rest of World Based SCADA Companies and Market Share, 2021-2026
 - 4.5.1 Rest of World Based SCADA Companies, Headquarters (Province, Country)
 - 4.5.2 Rest of World Based Companies SCADA Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World SCADA Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Hardware

5.2.2 Software

5.2.3 Services

5.3 Market Segment by Type

5.3.1 World SCADA Market Size by Type (2021-2026)

5.3.2 World SCADA Market Size by Type (2027-2032)

5.3.3 World SCADA Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY APPLICATION

6.1 World SCADA Market Size Overview by Application: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Application

6.2.1 Power & Energy

6.2.2 Oil & Gas Industry

6.2.3 Water & Waste Control

6.2.4 Telecommunications

6.2.5 Transportation

6.2.6 Manufacturing Industry

6.2.7 Others

6.3 Market Segment by Application

6.3.1 World SCADA Market Size by Application (2021-2026)

6.3.2 World SCADA Market Size by Application (2027-2032)

6.3.3 World SCADA Market Size Market Share by Application (2021-2032)

7 COMPANY PROFILES

7.1 Schneider Electric SE (France)

7.1.1 Schneider Electric SE (France) Details

7.1.2 Schneider Electric SE (France) Major Business

7.1.3 Schneider Electric SE (France) SCADA Product and Services

7.1.4 Schneider Electric SE (France) SCADA Revenue, Gross Margin and Market Share (2021-2026)

7.1.5 Schneider Electric SE (France) Recent Developments/Updates

7.1.6 Schneider Electric SE (France) Competitive Strengths & Weaknesses

7.2 ABB (Switzerland)

7.2.1 ABB (Switzerland) Details

7.2.2 ABB (Switzerland) Major Business

- 7.2.3 ABB (Switzerland) SCADA Product and Services
- 7.2.4 ABB (Switzerland) SCADA Revenue, Gross Margin and Market Share (2021-2026)
- 7.2.5 ABB (Switzerland) Recent Developments/Updates
- 7.2.6 ABB (Switzerland) Competitive Strengths & Weaknesses
- 7.3 Siemens AG (Germany)
 - 7.3.1 Siemens AG (Germany) Details
 - 7.3.2 Siemens AG (Germany) Major Business
 - 7.3.3 Siemens AG (Germany) SCADA Product and Services
 - 7.3.4 Siemens AG (Germany) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.3.5 Siemens AG (Germany) Recent Developments/Updates
 - 7.3.6 Siemens AG (Germany) Competitive Strengths & Weaknesses
- 7.4 Emerson (US)
 - 7.4.1 Emerson (US) Details
 - 7.4.2 Emerson (US) Major Business
 - 7.4.3 Emerson (US) SCADA Product and Services
 - 7.4.4 Emerson (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.4.5 Emerson (US) Recent Developments/Updates
 - 7.4.6 Emerson (US) Competitive Strengths & Weaknesses
- 7.5 Rockwell Automation Inc. (US)
 - 7.5.1 Rockwell Automation Inc. (US) Details
 - 7.5.2 Rockwell Automation Inc. (US) Major Business
 - 7.5.3 Rockwell Automation Inc. (US) SCADA Product and Services
 - 7.5.4 Rockwell Automation Inc. (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.5.5 Rockwell Automation Inc. (US) Recent Developments/Updates
 - 7.5.6 Rockwell Automation Inc. (US) Competitive Strengths & Weaknesses
- 7.6 Honeywell International Inc. (US)
 - 7.6.1 Honeywell International Inc. (US) Details
 - 7.6.2 Honeywell International Inc. (US) Major Business
 - 7.6.3 Honeywell International Inc. (US) SCADA Product and Services
 - 7.6.4 Honeywell International Inc. (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.6.5 Honeywell International Inc. (US) Recent Developments/Updates
 - 7.6.6 Honeywell International Inc. (US) Competitive Strengths & Weaknesses
- 7.7 Mitsubishi Electric (Japan)
 - 7.7.1 Mitsubishi Electric (Japan) Details
 - 7.7.2 Mitsubishi Electric (Japan) Major Business

- 7.7.3 Mitsubishi Electric (Japan) SCADA Product and Services
- 7.7.4 Mitsubishi Electric (Japan) SCADA Revenue, Gross Margin and Market Share (2021-2026)
- 7.7.5 Mitsubishi Electric (Japan) Recent Developments/Updates
- 7.7.6 Mitsubishi Electric (Japan) Competitive Strengths & Weaknesses
- 7.8 Omron Corporation (Japan)
 - 7.8.1 Omron Corporation (Japan) Details
 - 7.8.2 Omron Corporation (Japan) Major Business
 - 7.8.3 Omron Corporation (Japan) SCADA Product and Services
 - 7.8.4 Omron Corporation (Japan) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.8.5 Omron Corporation (Japan) Recent Developments/Updates
 - 7.8.6 Omron Corporation (Japan) Competitive Strengths & Weaknesses
- 7.9 General Electric Co. (US)
 - 7.9.1 General Electric Co. (US) Details
 - 7.9.2 General Electric Co. (US) Major Business
 - 7.9.3 General Electric Co. (US) SCADA Product and Services
 - 7.9.4 General Electric Co. (US) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.9.5 General Electric Co. (US) Recent Developments/Updates
 - 7.9.6 General Electric Co. (US) Competitive Strengths & Weaknesses
- 7.10 Yokogawa Electric Corporation (Japan)
 - 7.10.1 Yokogawa Electric Corporation (Japan) Details
 - 7.10.2 Yokogawa Electric Corporation (Japan) Major Business
 - 7.10.3 Yokogawa Electric Corporation (Japan) SCADA Product and Services
 - 7.10.4 Yokogawa Electric Corporation (Japan) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.10.5 Yokogawa Electric Corporation (Japan) Recent Developments/Updates
 - 7.10.6 Yokogawa Electric Corporation (Japan) Competitive Strengths & Weaknesses
- 7.11 Larsen & Toubro (India)
 - 7.11.1 Larsen & Toubro (India) Details
 - 7.11.2 Larsen & Toubro (India) Major Business
 - 7.11.3 Larsen & Toubro (India) SCADA Product and Services
 - 7.11.4 Larsen & Toubro (India) SCADA Revenue, Gross Margin and Market Share (2021-2026)
 - 7.11.5 Larsen & Toubro (India) Recent Developments/Updates
 - 7.11.6 Larsen & Toubro (India) Competitive Strengths & Weaknesses
- 7.12 M.B. Control & Systems Pvt. Ltd (India)
 - 7.12.1 M.B. Control & Systems Pvt. Ltd (India) Details

- 7.12.2 M.B. Control & Systems Pvt. Ltd (India) Major Business
- 7.12.3 M.B. Control & Systems Pvt. Ltd (India) SCADA Product and Services
- 7.12.4 M.B. Control & Systems Pvt. Ltd (India) SCADA Revenue, Gross Margin and Market Share (2021-2026)
- 7.12.5 M.B. Control & Systems Pvt. Ltd (India) Recent Developments/Updates
- 7.12.6 M.B. Control & Systems Pvt. Ltd (India) Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 SCADA Industry Chain
- 8.2 SCADA Upstream Analysis
- 8.3 SCADA Midstream Analysis
- 8.4 SCADA Downstream Analysis

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Holographic Grating Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Holographic Grating Production Value by Region (2021-2026) & (USD Million)

Table 3. World Holographic Grating Production Value by Region (2027-2032) & (USD Million)

Table 4. World Holographic Grating Production Value Market Share by Region (2021-2026)

Table 5. World Holographic Grating Production Value Market Share by Region (2027-2032)

Table 6. World Holographic Grating Production by Region (2021-2026) & (K Units)

Table 7. World Holographic Grating Production by Region (2027-2032) & (K Units)

Table 8. World Holographic Grating Production Market Share by Region (2021-2026)

Table 9. World Holographic Grating Production Market Share by Region (2027-2032)

Table 10. World Holographic Grating Average Price by Region (2021-2026) & (USD/Unit)

Table 11. World Holographic Grating Average Price by Region (2027-2032) & (USD/Unit)

Table 12. Holographic Grating Major Market Trends

Table 13. World Holographic Grating Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Holographic Grating Consumption by Region (2021-2026) & (K Units)

Table 15. World Holographic Grating Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Holographic Grating Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Holographic Grating Producers in 2025

Table 18. World Holographic Grating Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Holographic Grating Producers in 2025

Table 20. World Holographic Grating Average Price by Manufacturer (2021-2026) & (USD/Unit)

Table 21. Global Holographic Grating Company Evaluation Quadrant

Table 22. World Holographic Grating Industry Rank of Major Manufacturers, Based on

Production Value in 2025

Table 23. Head Office and Holographic Grating Production Site of Key Manufacturer

Table 24. Holographic Grating Market: Company Product Type Footprint

Table 25. Holographic Grating Market: Company Product Application Footprint

Table 26. Holographic Grating Competitive Factors

Table 27. Holographic Grating New Entrant and Capacity Expansion Plans

Table 28. Holographic Grating Mergers & Acquisitions Activity

Table 29. United States VS China Holographic Grating Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Holographic Grating Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Holographic Grating Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Holographic Grating Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Holographic Grating Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Holographic Grating Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Holographic Grating Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Holographic Grating Production Market Share (2021-2026)

Table 37. China Based Holographic Grating Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Holographic Grating Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Holographic Grating Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Holographic Grating Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Holographic Grating Production Market Share (2021-2026)

Table 42. Rest of World Based Holographic Grating Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Holographic Grating Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Holographic Grating Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Holographic Grating Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Holographic Grating Production Market Share (2021-2026)

Table 47. World Holographic Grating Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Holographic Grating Production by Type (2021-2026) & (K Units)

Table 49. World Holographic Grating Production by Type (2027-2032) & (K Units)

Table 50. World Holographic Grating Production Value by Type (2021-2026) & (USD Million)

Table 51. World Holographic Grating Production Value by Type (2027-2032) & (USD Million)

Table 52. World Holographic Grating Average Price by Type (2021-2026) & (USD/Unit)

Table 53. World Holographic Grating Average Price by Type (2027-2032) & (USD/Unit)

Table 54. World Holographic Grating Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 55. World Holographic Grating Production by Application (2021-2026) & (K Units)

Table 56. World Holographic Grating Production by Application (2027-2032) & (K Units)

Table 57. World Holographic Grating Production Value by Application (2021-2026) & (USD Million)

Table 58. World Holographic Grating Production Value by Application (2027-2032) & (USD Million)

Table 59. World Holographic Grating Average Price by Application (2021-2026) & (USD/Unit)

Table 60. World Holographic Grating Average Price by Application (2027-2032) & (USD/Unit)

Table 61. HORIBA Basic Information, Manufacturing Base and Competitors

Table 62. HORIBA Major Business

Table 63. HORIBA Holographic Grating Product and Services

Table 64. HORIBA Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. HORIBA Recent Developments/Updates

Table 66. HORIBA Competitive Strengths & Weaknesses

Table 67. Newport Corporation Basic Information, Manufacturing Base and Competitors

Table 68. Newport Corporation Major Business

Table 69. Newport Corporation Holographic Grating Product and Services

Table 70. Newport Corporation Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 71. Newport Corporation Recent Developments/Updates
- Table 72. Newport Corporation Competitive Strengths & Weaknesses
- Table 73. Edmund Optics Basic Information, Manufacturing Base and Competitors
- Table 74. Edmund Optics Major Business
- Table 75. Edmund Optics Holographic Grating Product and Services
- Table 76. Edmund Optics Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 77. Edmund Optics Recent Developments/Updates
- Table 78. Edmund Optics Competitive Strengths & Weaknesses
- Table 79. Shimadzu Corporation Basic Information, Manufacturing Base and Competitors
- Table 80. Shimadzu Corporation Major Business
- Table 81. Shimadzu Corporation Holographic Grating Product and Services
- Table 82. Shimadzu Corporation Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 83. Shimadzu Corporation Recent Developments/Updates
- Table 84. Shimadzu Corporation Competitive Strengths & Weaknesses
- Table 85. Zeiss Basic Information, Manufacturing Base and Competitors
- Table 86. Zeiss Major Business
- Table 87. Zeiss Holographic Grating Product and Services
- Table 88. Zeiss Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 89. Zeiss Recent Developments/Updates
- Table 90. Zeiss Competitive Strengths & Weaknesses
- Table 91. Dynasil Corporation Basic Information, Manufacturing Base and Competitors
- Table 92. Dynasil Corporation Major Business
- Table 93. Dynasil Corporation Holographic Grating Product and Services
- Table 94. Dynasil Corporation Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 95. Dynasil Corporation Recent Developments/Updates
- Table 96. Dynasil Corporation Competitive Strengths & Weaknesses
- Table 97. Kaiser Optical Systems Basic Information, Manufacturing Base and Competitors
- Table 98. Kaiser Optical Systems Major Business
- Table 99. Kaiser Optical Systems Holographic Grating Product and Services
- Table 100. Kaiser Optical Systems Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 101. Kaiser Optical Systems Recent Developments/Updates

Table 102. Kaiser Optical Systems Competitive Strengths & Weaknesses

Table 103. Spectrogon AB Basic Information, Manufacturing Base and Competitors

Table 104. Spectrogon AB Major Business

Table 105. Spectrogon AB Holographic Grating Product and Services

Table 106. Spectrogon AB Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 107. Spectrogon AB Recent Developments/Updates

Table 108. Spectrogon AB Competitive Strengths & Weaknesses

Table 109. Headwall Photonics Basic Information, Manufacturing Base and Competitors

Table 110. Headwall Photonics Major Business

Table 111. Headwall Photonics Holographic Grating Product and Services

Table 112. Headwall Photonics Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 113. Headwall Photonics Recent Developments/Updates

Table 114. Headwall Photonics Competitive Strengths & Weaknesses

Table 115. Thorlabs Basic Information, Manufacturing Base and Competitors

Table 116. Thorlabs Major Business

Table 117. Thorlabs Holographic Grating Product and Services

Table 118. Thorlabs Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 119. Thorlabs Recent Developments/Updates

Table 120. Thorlabs Competitive Strengths & Weaknesses

Table 121. Photop Technologies Basic Information, Manufacturing Base and Competitors

Table 122. Photop Technologies Major Business

Table 123. Photop Technologies Holographic Grating Product and Services

Table 124. Photop Technologies Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 125. Photop Technologies Recent Developments/Updates

Table 126. Photop Technologies Competitive Strengths & Weaknesses

Table 127. Spectrum Scientific Basic Information, Manufacturing Base and Competitors

Table 128. Spectrum Scientific Major Business

Table 129. Spectrum Scientific Holographic Grating Product and Services

Table 130. Spectrum Scientific Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 131. Spectrum Scientific Recent Developments/Updates

Table 132. Spectrum Scientific Competitive Strengths & Weaknesses

Table 133. Wasatch Photonics Basic Information, Manufacturing Base and Competitors

Table 134. Wasatch Photonics Major Business

Table 135. Wasatch Photonics Holographic Grating Product and Services

Table 136. Wasatch Photonics Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 137. Wasatch Photonics Recent Developments/Updates

Table 138. Wasatch Photonics Competitive Strengths & Weaknesses

Table 139. GratingWorks Basic Information, Manufacturing Base and Competitors

Table 140. GratingWorks Major Business

Table 141. GratingWorks Holographic Grating Product and Services

Table 142. GratingWorks Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 143. GratingWorks Recent Developments/Updates

Table 144. GratingWorks Competitive Strengths & Weaknesses

Table 145. Shenyang Yibeite Optics Basic Information, Manufacturing Base and Competitors

Table 146. Shenyang Yibeite Optics Major Business

Table 147. Shenyang Yibeite Optics Holographic Grating Product and Services

Table 148. Shenyang Yibeite Optics Holographic Grating Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 149. Shenyang Yibeite Optics Recent Developments/Updates

Table 150. Shenyang Yibeite Optics Competitive Strengths & Weaknesses

Table 151. Global Key Players of Holographic Grating Upstream (Raw Materials)

Table 152. Global Holographic Grating Typical Customers

Table 153. Holographic Grating Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Holographic Grating Picture

Figure 2. World Holographic Grating Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Holographic Grating Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Holographic Grating Production (2021-2032) & (K Units)

Figure 5. World Holographic Grating Average Price (2021-2032) & (USD/Unit)

Figure 6. World Holographic Grating Production Value Market Share by Region (2021-2032)

Figure 7. World Holographic Grating Production Market Share by Region (2021-2032)

Figure 8. North America Holographic Grating Production (2021-2032) & (K Units)

Figure 9. Europe Holographic Grating Production (2021-2032) & (K Units)

Figure 10. China Holographic Grating Production (2021-2032) & (K Units)

Figure 11. Japan Holographic Grating Production (2021-2032) & (K Units)

Figure 12. Holographic Grating Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Holographic Grating Consumption (2021-2032) & (K Units)

Figure 15. World Holographic Grating Consumption Market Share by Region (2021-2032)

Figure 16. United States Holographic Grating Consumption (2021-2032) & (K Units)

Figure 17. China Holographic Grating Consumption (2021-2032) & (K Units)

Figure 18. Europe Holographic Grating Consumption (2021-2032) & (K Units)

Figure 19. Japan Holographic Grating Consumption (2021-2032) & (K Units)

Figure 20. South Korea Holographic Grating Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Holographic Grating Consumption (2021-2032) & (K Units)

Figure 22. India Holographic Grating Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Holographic Grating by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Holographic Grating Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Holographic Grating Markets in 2025

Figure 26. United States VS China: Holographic Grating Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Holographic Grating Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Holographic Grating Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Holographic Grating Production Market Share 2025

Figure 30. China Based Manufacturers Holographic Grating Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Holographic Grating Production Market Share 2025

Figure 32. World Holographic Grating Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Holographic Grating Production Value Market Share by Type in 2025

Figure 34. Plane Type Holographic Grating

Figure 35. Concave Type Holographic Grating

Figure 36. World Holographic Grating Production Market Share by Type (2021-2032)

Figure 37. World Holographic Grating Production Value Market Share by Type (2021-2032)

Figure 38. World Holographic Grating Average Price by Type (2021-2032) & (USD/Unit)

Figure 39. World Holographic Grating Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 40. World Holographic Grating Production Value Market Share by Application in 2025

Figure 41. Laser

Figure 42. Astronomy

Figure 43. Optical Telecom

Figure 44. Monochromator and Spectrometer

Figure 45. Others

Figure 46. World Holographic Grating Production Market Share by Application (2021-2032)

Figure 47. World Holographic Grating Production Value Market Share by Application (2021-2032)

Figure 48. World Holographic Grating Average Price by Application (2021-2032) & (USD/Unit)

Figure 49. Holographic Grating Industry Chain

Figure 50. Holographic Grating Procurement Model

Figure 51. Holographic Grating Sales Model

Figure 52. Holographic Grating Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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