

Global Arrayed Waveguide Grating (AWG) Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Arrayed Waveguide Grating (AWG) market size is expected to reach \$ 352.1 million by 2029, rising at a market growth of 7.4% CAGR during the forecast period (2023-2029).

NTT and NeoPhotonics are the Top 2 manufacturer in the global AWG market. They took up 55% of the total revenue.

Asia-Pacific is the largest market of AWG, accounting for 45% of sales market share.

In terms of product type, Athermal AWG is the largest segment, occupied for a share of about 60%, and in terms of application, Internet Backbone Networks has a share about 50 percent.

Arrayed waveguide gratings (AWG) are commonly used as optical (de)multiplexers in wavelength division multiplexed (WDM) systems. These devices are capable of multiplexing many wavelengths into a single optical fiber, thereby increasing the transmission capacity of optical networks considerably.

The devices are based on a fundamental principle of optics that light waves of different wavelengths do not interfere linearly with each other. This means that, if each channel in an optical communication network makes use of light of a slightly different wavelength, then the light from many of these channels can be carried by a single optical fiber with negligible crosstalk between the channels. The AWGs are used to multiplex channels of several wavelengths onto a single optical fiber at the transmission end and are also used as demultiplexers to retrieve individual channels of different wavelengths at the receiving end of an optical communication network.

This report studies the global Arrayed Waveguide Grating (AWG) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Arrayed Waveguide Grating (AWG), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Arrayed Waveguide Grating (AWG) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Arrayed Waveguide Grating (AWG) total production and demand, 2018-2029, (K Units)

Global Arrayed Waveguide Grating (AWG) total production value, 2018-2029, (USD Million)

Global Arrayed Waveguide Grating (AWG) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Arrayed Waveguide Grating (AWG) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Arrayed Waveguide Grating (AWG) domestic production, consumption, key domestic manufacturers and share

Global Arrayed Waveguide Grating (AWG) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Arrayed Waveguide Grating (AWG) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Arrayed Waveguide Grating (AWG) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Arrayed Waveguide Grating (AWG) 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 NTT, NeoPhotonics, Accelink, Broadex Technologies, Agilecom, Enablence, PPI, ShiJia photons and Wuhan Yilut Technology, 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 Arrayed Waveguide Grating (AWG) 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Arrayed Waveguide Grating (AWG) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Arrayed Waveguide Grating (AWG) Market, Segmentation by Type

Thermal AWG

Athermal AWG

Global Arrayed Waveguide Grating (AWG) Market, Segmentation by Application

Internet Backbone Networks

Enterprise Networks

Others

Companies Profiled:

NTT

NeoPhotonics

Accelink

Broadex Technologies

Agilecom

Enablence

PPI

ShiJia photons

Wuhan Yilut Technology

POINTek

Shenzhen Gigalight

HYC

Flyin Optronics

DK Photonics Technology

Teosco Technologies

GEZHI Photonics

Key Questions Answered

1. How big is the global Arrayed Waveguide Grating (AWG) market?
2. What is the demand of the global Arrayed Waveguide Grating (AWG) market?
3. What is the year over year growth of the global Arrayed Waveguide Grating (AWG) market?
4. What is the production and production value of the global Arrayed Waveguide Grating (AWG) market?
5. Who are the key producers in the global Arrayed Waveguide Grating (AWG) market?

Contents

1 SUPPLY SUMMARY

- 1.1 Arrayed Waveguide Grating (AWG) Introduction
- 1.2 World Arrayed Waveguide Grating (AWG) Supply & Forecast
 - 1.2.1 World Arrayed Waveguide Grating (AWG) Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Arrayed Waveguide Grating (AWG) Production (2018-2029)
 - 1.2.3 World Arrayed Waveguide Grating (AWG) Pricing Trends (2018-2029)
- 1.3 World Arrayed Waveguide Grating (AWG) Production by Region (Based on Production Site)
 - 1.3.1 World Arrayed Waveguide Grating (AWG) Production Value by Region (2018-2029)
 - 1.3.2 World Arrayed Waveguide Grating (AWG) Production by Region (2018-2029)
 - 1.3.3 World Arrayed Waveguide Grating (AWG) Average Price by Region (2018-2029)
 - 1.3.4 North America Arrayed Waveguide Grating (AWG) Production (2018-2029)
 - 1.3.5 Europe Arrayed Waveguide Grating (AWG) Production (2018-2029)
 - 1.3.6 China Arrayed Waveguide Grating (AWG) Production (2018-2029)
 - 1.3.7 Japan Arrayed Waveguide Grating (AWG) Production (2018-2029)
 - 1.3.8 South Korea Arrayed Waveguide Grating (AWG) Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Arrayed Waveguide Grating (AWG) Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Arrayed Waveguide Grating (AWG) Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Arrayed Waveguide Grating (AWG) Demand (2018-2029)
- 2.2 World Arrayed Waveguide Grating (AWG) Consumption by Region
 - 2.2.1 World Arrayed Waveguide Grating (AWG) Consumption by Region (2018-2023)
 - 2.2.2 World Arrayed Waveguide Grating (AWG) Consumption Forecast by Region (2024-2029)
- 2.3 United States Arrayed Waveguide Grating (AWG) Consumption (2018-2029)
- 2.4 China Arrayed Waveguide Grating (AWG) Consumption (2018-2029)
- 2.5 Europe Arrayed Waveguide Grating (AWG) Consumption (2018-2029)
- 2.6 Japan Arrayed Waveguide Grating (AWG) Consumption (2018-2029)
- 2.7 South Korea Arrayed Waveguide Grating (AWG) Consumption (2018-2029)
- 2.8 ASEAN Arrayed Waveguide Grating (AWG) Consumption (2018-2029)

2.9 India Arrayed Waveguide Grating (AWG) Consumption (2018-2029)

3 WORLD ARRAYED WAVEGUIDE GRATING (AWG) MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Arrayed Waveguide Grating (AWG) Production Value by Manufacturer (2018-2023)

3.2 World Arrayed Waveguide Grating (AWG) Production by Manufacturer (2018-2023)

3.3 World Arrayed Waveguide Grating (AWG) Average Price by Manufacturer (2018-2023)

3.4 Arrayed Waveguide Grating (AWG) Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Arrayed Waveguide Grating (AWG) Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Arrayed Waveguide Grating (AWG) in 2022

3.5.3 Global Concentration Ratios (CR8) for Arrayed Waveguide Grating (AWG) in 2022

3.6 Arrayed Waveguide Grating (AWG) Market: Overall Company Footprint Analysis

3.6.1 Arrayed Waveguide Grating (AWG) Market: Region Footprint

3.6.2 Arrayed Waveguide Grating (AWG) Market: Company Product Type Footprint

3.6.3 Arrayed Waveguide Grating (AWG) Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Arrayed Waveguide Grating (AWG) Production Value Comparison

4.1.1 United States VS China: Arrayed Waveguide Grating (AWG) Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Arrayed Waveguide Grating (AWG) Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Arrayed Waveguide Grating (AWG) Production Comparison

4.2.1 United States VS China: Arrayed Waveguide Grating (AWG) Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Arrayed Waveguide Grating (AWG) Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Arrayed Waveguide Grating (AWG) Consumption Comparison

4.3.1 United States VS China: Arrayed Waveguide Grating (AWG) Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Arrayed Waveguide Grating (AWG) Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Arrayed Waveguide Grating (AWG) Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Arrayed Waveguide Grating (AWG) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value (2018-2023)

4.4.3 United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production (2018-2023)

4.5 China Based Arrayed Waveguide Grating (AWG) Manufacturers and Market Share

4.5.1 China Based Arrayed Waveguide Grating (AWG) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value (2018-2023)

4.5.3 China Based Manufacturers Arrayed Waveguide Grating (AWG) Production (2018-2023)

4.6 Rest of World Based Arrayed Waveguide Grating (AWG) Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Arrayed Waveguide Grating (AWG) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Arrayed Waveguide Grating (AWG) Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Thermal AWG

5.2.2 Athermal AWG

5.3 Market Segment by Type

5.3.1 World Arrayed Waveguide Grating (AWG) Production by Type (2018-2029)

5.3.2 World Arrayed Waveguide Grating (AWG) Production Value by Type (2018-2029)

5.3.3 World Arrayed Waveguide Grating (AWG) Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Arrayed Waveguide Grating (AWG) Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Internet Backbone Networks

6.2.2 Enterprise Networks

6.2.3 Others

6.3 Market Segment by Application

6.3.1 World Arrayed Waveguide Grating (AWG) Production by Application (2018-2029)

6.3.2 World Arrayed Waveguide Grating (AWG) Production Value by Application (2018-2029)

6.3.3 World Arrayed Waveguide Grating (AWG) Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 NTT

7.1.1 NTT Details

7.1.2 NTT Major Business

7.1.3 NTT Arrayed Waveguide Grating (AWG) Product and Services

7.1.4 NTT Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 NTT Recent Developments/Updates

7.1.6 NTT Competitive Strengths & Weaknesses

7.2 NeoPhotonics

7.2.1 NeoPhotonics Details

7.2.2 NeoPhotonics Major Business

7.2.3 NeoPhotonics Arrayed Waveguide Grating (AWG) Product and Services

7.2.4 NeoPhotonics Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.2.5 NeoPhotonics Recent Developments/Updates
- 7.2.6 NeoPhotonics Competitive Strengths & Weaknesses
- 7.3 Accelink
 - 7.3.1 Accelink Details
 - 7.3.2 Accelink Major Business
 - 7.3.3 Accelink Arrayed Waveguide Grating (AWG) Product and Services
 - 7.3.4 Accelink Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.3.5 Accelink Recent Developments/Updates
 - 7.3.6 Accelink Competitive Strengths & Weaknesses
- 7.4 Broadex Technologies
 - 7.4.1 Broadex Technologies Details
 - 7.4.2 Broadex Technologies Major Business
 - 7.4.3 Broadex Technologies Arrayed Waveguide Grating (AWG) Product and Services
 - 7.4.4 Broadex Technologies Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.4.5 Broadex Technologies Recent Developments/Updates
 - 7.4.6 Broadex Technologies Competitive Strengths & Weaknesses
- 7.5 Agilecom
 - 7.5.1 Agilecom Details
 - 7.5.2 Agilecom Major Business
 - 7.5.3 Agilecom Arrayed Waveguide Grating (AWG) Product and Services
 - 7.5.4 Agilecom Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Agilecom Recent Developments/Updates
 - 7.5.6 Agilecom Competitive Strengths & Weaknesses
- 7.6 Enablence
 - 7.6.1 Enablence Details
 - 7.6.2 Enablence Major Business
 - 7.6.3 Enablence Arrayed Waveguide Grating (AWG) Product and Services
 - 7.6.4 Enablence Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Enablence Recent Developments/Updates
 - 7.6.6 Enablence Competitive Strengths & Weaknesses
- 7.7 PPI
 - 7.7.1 PPI Details
 - 7.7.2 PPI Major Business
 - 7.7.3 PPI Arrayed Waveguide Grating (AWG) Product and Services
 - 7.7.4 PPI Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin

and Market Share (2018-2023)

7.7.5 PPI Recent Developments/Updates

7.7.6 PPI Competitive Strengths & Weaknesses

7.8 ShiJia photons

7.8.1 ShiJia photons Details

7.8.2 ShiJia photons Major Business

7.8.3 ShiJia photons Arrayed Waveguide Grating (AWG) Product and Services

7.8.4 ShiJia photons Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 ShiJia photons Recent Developments/Updates

7.8.6 ShiJia photons Competitive Strengths & Weaknesses

7.9 Wuhan Yilut Technology

7.9.1 Wuhan Yilut Technology Details

7.9.2 Wuhan Yilut Technology Major Business

7.9.3 Wuhan Yilut Technology Arrayed Waveguide Grating (AWG) Product and Services

7.9.4 Wuhan Yilut Technology Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Wuhan Yilut Technology Recent Developments/Updates

7.9.6 Wuhan Yilut Technology Competitive Strengths & Weaknesses

7.10 POINTek

7.10.1 POINTek Details

7.10.2 POINTek Major Business

7.10.3 POINTek Arrayed Waveguide Grating (AWG) Product and Services

7.10.4 POINTek Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 POINTek Recent Developments/Updates

7.10.6 POINTek Competitive Strengths & Weaknesses

7.11 Shenzhen Gigalight

7.11.1 Shenzhen Gigalight Details

7.11.2 Shenzhen Gigalight Major Business

7.11.3 Shenzhen Gigalight Arrayed Waveguide Grating (AWG) Product and Services

7.11.4 Shenzhen Gigalight Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Shenzhen Gigalight Recent Developments/Updates

7.11.6 Shenzhen Gigalight Competitive Strengths & Weaknesses

7.12 HYC

7.12.1 HYC Details

7.12.2 HYC Major Business

- 7.12.3 HYC Arrayed Waveguide Grating (AWG) Product and Services
- 7.12.4 HYC Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.12.5 HYC Recent Developments/Updates
- 7.12.6 HYC Competitive Strengths & Weaknesses
- 7.13 Flyin Optronics
 - 7.13.1 Flyin Optronics Details
 - 7.13.2 Flyin Optronics Major Business
 - 7.13.3 Flyin Optronics Arrayed Waveguide Grating (AWG) Product and Services
 - 7.13.4 Flyin Optronics Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.13.5 Flyin Optronics Recent Developments/Updates
 - 7.13.6 Flyin Optronics Competitive Strengths & Weaknesses
- 7.14 DK Photonics Technology
 - 7.14.1 DK Photonics Technology Details
 - 7.14.2 DK Photonics Technology Major Business
 - 7.14.3 DK Photonics Technology Arrayed Waveguide Grating (AWG) Product and Services
 - 7.14.4 DK Photonics Technology Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 DK Photonics Technology Recent Developments/Updates
 - 7.14.6 DK Photonics Technology Competitive Strengths & Weaknesses
- 7.15 Teosco Technologies
 - 7.15.1 Teosco Technologies Details
 - 7.15.2 Teosco Technologies Major Business
 - 7.15.3 Teosco Technologies Arrayed Waveguide Grating (AWG) Product and Services
 - 7.15.4 Teosco Technologies Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.15.5 Teosco Technologies Recent Developments/Updates
 - 7.15.6 Teosco Technologies Competitive Strengths & Weaknesses
- 7.16 GEZHI Photonics
 - 7.16.1 GEZHI Photonics Details
 - 7.16.2 GEZHI Photonics Major Business
 - 7.16.3 GEZHI Photonics Arrayed Waveguide Grating (AWG) Product and Services
 - 7.16.4 GEZHI Photonics Arrayed Waveguide Grating (AWG) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.16.5 GEZHI Photonics Recent Developments/Updates
 - 7.16.6 GEZHI Photonics Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Arrayed Waveguide Grating (AWG) Industry Chain
- 8.2 Arrayed Waveguide Grating (AWG) Upstream Analysis
 - 8.2.1 Arrayed Waveguide Grating (AWG) Core Raw Materials
 - 8.2.2 Main Manufacturers of Arrayed Waveguide Grating (AWG) Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Arrayed Waveguide Grating (AWG) Production Mode
- 8.6 Arrayed Waveguide Grating (AWG) Procurement Model
- 8.7 Arrayed Waveguide Grating (AWG) Industry Sales Model and Sales Channels
 - 8.7.1 Arrayed Waveguide Grating (AWG) Sales Model
 - 8.7.2 Arrayed Waveguide Grating (AWG) Typical Customers

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 Arrayed Waveguide Grating (AWG) Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Arrayed Waveguide Grating (AWG) Production Value by Region (2018-2023) & (USD Million)

Table 3. World Arrayed Waveguide Grating (AWG) Production Value by Region (2024-2029) & (USD Million)

Table 4. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Region (2018-2023)

Table 5. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Region (2024-2029)

Table 6. World Arrayed Waveguide Grating (AWG) Production by Region (2018-2023) & (K Units)

Table 7. World Arrayed Waveguide Grating (AWG) Production by Region (2024-2029) & (K Units)

Table 8. World Arrayed Waveguide Grating (AWG) Production Market Share by Region (2018-2023)

Table 9. World Arrayed Waveguide Grating (AWG) Production Market Share by Region (2024-2029)

Table 10. World Arrayed Waveguide Grating (AWG) Average Price by Region (2018-2023) & (USD/Unit)

Table 11. World Arrayed Waveguide Grating (AWG) Average Price by Region (2024-2029) & (USD/Unit)

Table 12. Arrayed Waveguide Grating (AWG) Major Market Trends

Table 13. World Arrayed Waveguide Grating (AWG) Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Arrayed Waveguide Grating (AWG) Consumption by Region (2018-2023) & (K Units)

Table 15. World Arrayed Waveguide Grating (AWG) Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Arrayed Waveguide Grating (AWG) Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Arrayed Waveguide Grating (AWG) Producers in 2022

Table 18. World Arrayed Waveguide Grating (AWG) Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Arrayed Waveguide Grating (AWG) Producers in 2022

Table 20. World Arrayed Waveguide Grating (AWG) Average Price by Manufacturer (2018-2023) & (USD/Unit)

Table 21. Global Arrayed Waveguide Grating (AWG) Company Evaluation Quadrant

Table 22. World Arrayed Waveguide Grating (AWG) Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Arrayed Waveguide Grating (AWG) Production Site of Key Manufacturer

Table 24. Arrayed Waveguide Grating (AWG) Market: Company Product Type Footprint

Table 25. Arrayed Waveguide Grating (AWG) Market: Company Product Application Footprint

Table 26. Arrayed Waveguide Grating (AWG) Competitive Factors

Table 27. Arrayed Waveguide Grating (AWG) New Entrant and Capacity Expansion Plans

Table 28. Arrayed Waveguide Grating (AWG) Mergers & Acquisitions Activity

Table 29. United States VS China Arrayed Waveguide Grating (AWG) Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Arrayed Waveguide Grating (AWG) Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Arrayed Waveguide Grating (AWG) Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

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

Table 33. United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production Market Share (2018-2023)

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

Table 38. China Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Arrayed Waveguide Grating (AWG) Production

(2018-2023) & (K Units)

Table 41. China Based Manufacturers Arrayed Waveguide Grating (AWG) Production Market Share (2018-2023)

Table 42. Rest of World Based Arrayed Waveguide Grating (AWG) Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production Market Share (2018-2023)

Table 47. World Arrayed Waveguide Grating (AWG) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Arrayed Waveguide Grating (AWG) Production by Type (2018-2023) & (K Units)

Table 49. World Arrayed Waveguide Grating (AWG) Production by Type (2024-2029) & (K Units)

Table 50. World Arrayed Waveguide Grating (AWG) Production Value by Type (2018-2023) & (USD Million)

Table 51. World Arrayed Waveguide Grating (AWG) Production Value by Type (2024-2029) & (USD Million)

Table 52. World Arrayed Waveguide Grating (AWG) Average Price by Type (2018-2023) & (USD/Unit)

Table 53. World Arrayed Waveguide Grating (AWG) Average Price by Type (2024-2029) & (USD/Unit)

Table 54. World Arrayed Waveguide Grating (AWG) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Arrayed Waveguide Grating (AWG) Production by Application (2018-2023) & (K Units)

Table 56. World Arrayed Waveguide Grating (AWG) Production by Application (2024-2029) & (K Units)

Table 57. World Arrayed Waveguide Grating (AWG) Production Value by Application (2018-2023) & (USD Million)

Table 58. World Arrayed Waveguide Grating (AWG) Production Value by Application (2024-2029) & (USD Million)

Table 59. World Arrayed Waveguide Grating (AWG) Average Price by Application (2018-2023) & (USD/Unit)

Table 60. World Arrayed Waveguide Grating (AWG) Average Price by Application (2024-2029) & (USD/Unit)

Table 61. NTT Basic Information, Manufacturing Base and Competitors

Table 62. NTT Major Business

Table 63. NTT Arrayed Waveguide Grating (AWG) Product and Services

Table 64. NTT Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. NTT Recent Developments/Updates

Table 66. NTT Competitive Strengths & Weaknesses

Table 67. NeoPhotonics Basic Information, Manufacturing Base and Competitors

Table 68. NeoPhotonics Major Business

Table 69. NeoPhotonics Arrayed Waveguide Grating (AWG) Product and Services

Table 70. NeoPhotonics Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. NeoPhotonics Recent Developments/Updates

Table 72. NeoPhotonics Competitive Strengths & Weaknesses

Table 73. Accelink Basic Information, Manufacturing Base and Competitors

Table 74. Accelink Major Business

Table 75. Accelink Arrayed Waveguide Grating (AWG) Product and Services

Table 76. Accelink Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Accelink Recent Developments/Updates

Table 78. Accelink Competitive Strengths & Weaknesses

Table 79. Broadex Technologies Basic Information, Manufacturing Base and Competitors

Table 80. Broadex Technologies Major Business

Table 81. Broadex Technologies Arrayed Waveguide Grating (AWG) Product and Services

Table 82. Broadex Technologies Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Broadex Technologies Recent Developments/Updates

Table 84. Broadex Technologies Competitive Strengths & Weaknesses

Table 85. Agilecom Basic Information, Manufacturing Base and Competitors

Table 86. Agilecom Major Business

Table 87. Agilecom Arrayed Waveguide Grating (AWG) Product and Services

Table 88. Agilecom Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Agilecom Recent Developments/Updates

Table 90. Agilecom Competitive Strengths & Weaknesses

Table 91. Enablence Basic Information, Manufacturing Base and Competitors

Table 92. Enablence Major Business

Table 93. Enablence Arrayed Waveguide Grating (AWG) Product and Services

Table 94. Enablence Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Enablence Recent Developments/Updates

Table 96. Enablence Competitive Strengths & Weaknesses

Table 97. PPI Basic Information, Manufacturing Base and Competitors

Table 98. PPI Major Business

Table 99. PPI Arrayed Waveguide Grating (AWG) Product and Services

Table 100. PPI Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. PPI Recent Developments/Updates

Table 102. PPI Competitive Strengths & Weaknesses

Table 103. ShiJia photons Basic Information, Manufacturing Base and Competitors

Table 104. ShiJia photons Major Business

Table 105. ShiJia photons Arrayed Waveguide Grating (AWG) Product and Services

Table 106. ShiJia photons Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. ShiJia photons Recent Developments/Updates

Table 108. ShiJia photons Competitive Strengths & Weaknesses

Table 109. Wuhan Yilut Technology Basic Information, Manufacturing Base and Competitors

Table 110. Wuhan Yilut Technology Major Business

Table 111. Wuhan Yilut Technology Arrayed Waveguide Grating (AWG) Product and Services

Table 112. Wuhan Yilut Technology Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Wuhan Yilut Technology Recent Developments/Updates

Table 114. Wuhan Yilut Technology Competitive Strengths & Weaknesses

- Table 115. POINTek Basic Information, Manufacturing Base and Competitors
- Table 116. POINTek Major Business
- Table 117. POINTek Arrayed Waveguide Grating (AWG) Product and Services
- Table 118. POINTek Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. POINTek Recent Developments/Updates
- Table 120. POINTek Competitive Strengths & Weaknesses
- Table 121. Shenzhen Gigalight Basic Information, Manufacturing Base and Competitors
- Table 122. Shenzhen Gigalight Major Business
- Table 123. Shenzhen Gigalight Arrayed Waveguide Grating (AWG) Product and Services
- Table 124. Shenzhen Gigalight Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Shenzhen Gigalight Recent Developments/Updates
- Table 126. Shenzhen Gigalight Competitive Strengths & Weaknesses
- Table 127. HYC Basic Information, Manufacturing Base and Competitors
- Table 128. HYC Major Business
- Table 129. HYC Arrayed Waveguide Grating (AWG) Product and Services
- Table 130. HYC Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. HYC Recent Developments/Updates
- Table 132. HYC Competitive Strengths & Weaknesses
- Table 133. Flyin Optronics Basic Information, Manufacturing Base and Competitors
- Table 134. Flyin Optronics Major Business
- Table 135. Flyin Optronics Arrayed Waveguide Grating (AWG) Product and Services
- Table 136. Flyin Optronics Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Flyin Optronics Recent Developments/Updates
- Table 138. Flyin Optronics Competitive Strengths & Weaknesses
- Table 139. DK Photonics Technology Basic Information, Manufacturing Base and Competitors
- Table 140. DK Photonics Technology Major Business
- Table 141. DK Photonics Technology Arrayed Waveguide Grating (AWG) Product and Services
- Table 142. DK Photonics Technology Arrayed Waveguide Grating (AWG) Production (K

Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. DK Photonics Technology Recent Developments/Updates

Table 144. DK Photonics Technology Competitive Strengths & Weaknesses

Table 145. Teosco Technologies Basic Information, Manufacturing Base and Competitors

Table 146. Teosco Technologies Major Business

Table 147. Teosco Technologies Arrayed Waveguide Grating (AWG) Product and Services

Table 148. Teosco Technologies Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 149. Teosco Technologies Recent Developments/Updates

Table 150. GEZHI Photonics Basic Information, Manufacturing Base and Competitors

Table 151. GEZHI Photonics Major Business

Table 152. GEZHI Photonics Arrayed Waveguide Grating (AWG) Product and Services

Table 153. GEZHI Photonics Arrayed Waveguide Grating (AWG) Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 154. Global Key Players of Arrayed Waveguide Grating (AWG) Upstream (Raw Materials)

Table 155. Arrayed Waveguide Grating (AWG) Typical Customers

Table 156. Arrayed Waveguide Grating (AWG) Typical Distributors

LIST OF FIGURE

Figure 1. Arrayed Waveguide Grating (AWG) Picture

Figure 2. World Arrayed Waveguide Grating (AWG) Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Arrayed Waveguide Grating (AWG) Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Arrayed Waveguide Grating (AWG) Production (2018-2029) & (K Units)

Figure 5. World Arrayed Waveguide Grating (AWG) Average Price (2018-2029) & (USD/Unit)

Figure 6. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Region (2018-2029)

Figure 7. World Arrayed Waveguide Grating (AWG) Production Market Share by Region (2018-2029)

Figure 8. North America Arrayed Waveguide Grating (AWG) Production (2018-2029) &

(K Units)

Figure 9. Europe Arrayed Waveguide Grating (AWG) Production (2018-2029) & (K Units)

Figure 10. China Arrayed Waveguide Grating (AWG) Production (2018-2029) & (K Units)

Figure 11. Japan Arrayed Waveguide Grating (AWG) Production (2018-2029) & (K Units)

Figure 12. South Korea Arrayed Waveguide Grating (AWG) Production (2018-2029) & (K Units)

Figure 13. Arrayed Waveguide Grating (AWG) Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 16. World Arrayed Waveguide Grating (AWG) Consumption Market Share by Region (2018-2029)

Figure 17. United States Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 18. China Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 19. Europe Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 20. Japan Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 21. South Korea Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 22. ASEAN Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 23. India Arrayed Waveguide Grating (AWG) Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of Arrayed Waveguide Grating (AWG) by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Arrayed Waveguide Grating (AWG) Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Arrayed Waveguide Grating (AWG) Markets in 2022

Figure 27. United States VS China: Arrayed Waveguide Grating (AWG) Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Arrayed Waveguide Grating (AWG) Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Arrayed Waveguide Grating (AWG) Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Arrayed Waveguide Grating (AWG) Production Market Share 2022

Figure 31. China Based Manufacturers Arrayed Waveguide Grating (AWG) Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Arrayed Waveguide Grating (AWG) Production Market Share 2022

Figure 33. World Arrayed Waveguide Grating (AWG) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Type in 2022

Figure 35. Thermal AWG

Figure 36. Athermal AWG

Figure 37. World Arrayed Waveguide Grating (AWG) Production Market Share by Type (2018-2029)

Figure 38. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Type (2018-2029)

Figure 39. World Arrayed Waveguide Grating (AWG) Average Price by Type (2018-2029) & (USD/Unit)

Figure 40. World Arrayed Waveguide Grating (AWG) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Application in 2022

Figure 42. Internet Backbone Networks

Figure 43. Enterprise Networks

Figure 44. Others

Figure 45. World Arrayed Waveguide Grating (AWG) Production Market Share by Application (2018-2029)

Figure 46. World Arrayed Waveguide Grating (AWG) Production Value Market Share by Application (2018-2029)

Figure 47. World Arrayed Waveguide Grating (AWG) Average Price by Application (2018-2029) & (USD/Unit)

Figure 48. Arrayed Waveguide Grating (AWG) Industry Chain

Figure 49. Arrayed Waveguide Grating (AWG) Procurement Model

Figure 50. Arrayed Waveguide Grating (AWG) Sales Model

Figure 51. Arrayed Waveguide Grating (AWG) Sales Channels, Direct Sales, and Distribution

Figure 52. Methodology

Figure 53. Research Process and Data Source

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