

Global Arbitrary Waveform Generators (AWGs) Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/G5EFAEAC878EEN.html>

Date: February 2026

Pages: 149

Price: US\$ 2,980.00 (Single User License)

ID: G5EFAEAC878EEN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Arbitrary Waveform Generators (AWGs) competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. In 2024, global sales of Arbitrary Waveform Generators (AWGs) reached approximately 1.2 million units, with an average market price of about USD 2,240 per unit, an annual production capacity of roughly 1.6 million units, and an industry-average gross margin of approximately 38%. An AWG is a high-precision signal source capable of generating arbitrary voltage waveforms, widely used in R&D and production testing across industries such as telecommunications, semiconductors, automotive electronics, aerospace, and medical testing. Key technologies include Direct Digital Synthesis (DDS), variable clock, and hybrid methods, with product forms ranging from single-channel to multi-channel units. Major manufacturers are concentrated in North America and the Asia-Pacific region, including Keysight, Tektronix, Rohde & Schwarz, Agilent, Tabor, and Rigol. In the supply chain, upstream components include high-performance FPGAs, DACs, clock sources, and high-frequency PCBs; downstream consumers are primarily telecommunications equipment manufacturers, semiconductor companies, automotive electronics firms, research institutions, and testing laboratories, with an estimated annual consumption of around 200,000 units. The cost structure is approximately 60% for core components, 25% for R&D and testing, and 15% for other expenses such as labor and management.

The global Arbitrary Waveform Generators (AWGs) market size was estimated at USD 2688.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 5.10% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Arbitrary Waveform Generators (AWGs) market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Arbitrary Waveform Generators (AWGs) market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Arbitrary Waveform Generators (AWGs) market.

Global Arbitrary Waveform Generators (AWGs) Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Keysight Technologies
Tektronix
Active Technologies
Tabor Electronics
Siglent Technologies
B&K Precision
Instek
RIGOL Technologies
Zurich Instruments
SHF Communication Technologies AG
Spectrum Instrumentation

Market Segmentation (by Type)

Single Channel
Dual Channel

Market Segmentation (by Application)

Communications
Semiconductor
Automotive
R&D
Medical
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance

Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Arbitrary Waveform Generators (AWGs) Market
Overview of the regional outlook of the Arbitrary Waveform Generators (AWGs) Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Arbitrary Waveform Generators (AWGs) Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to 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 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Arbitrary Waveform Generators (AWGs), their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and

acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Arbitrary Waveform Generators (AWGs)
- 1.2 Key Market Segments
 - 1.2.1 Arbitrary Waveform Generators (AWGs) Segment by Type
 - 1.2.2 Arbitrary Waveform Generators (AWGs) Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Arbitrary Waveform Generators (AWGs) Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Arbitrary Waveform Generators (AWGs) Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Arbitrary Waveform Generators (AWGs) Product Life Cycle
- 3.3 Global Arbitrary Waveform Generators (AWGs) Sales by Manufacturers (2020-2025)
- 3.4 Global Arbitrary Waveform Generators (AWGs) Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Arbitrary Waveform Generators (AWGs) Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Arbitrary Waveform Generators (AWGs) Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

- 3.8 Arbitrary Waveform Generators (AWGs) Market Competitive Situation and Trends
 - 3.8.1 Arbitrary Waveform Generators (AWGs) Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Arbitrary Waveform Generators (AWGs) Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 ARBITRARY WAVEFORM GENERATORS (AWGS) INDUSTRY CHAIN ANALYSIS

- 4.1 Arbitrary Waveform Generators (AWGs) Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Arbitrary Waveform Generators (AWGs) Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Arbitrary Waveform Generators (AWGs) Market
- 5.7 ESG Ratings of Leading Companies

6 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Type (2020-2025)
- 6.3 Global Arbitrary Waveform Generators (AWGs) Market Size by Type (2020-2025)
- 6.4 Global Arbitrary Waveform Generators (AWGs) Price by Type (2020-2025)

7 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Arbitrary Waveform Generators (AWGs) Market Sales by Application (2020-2025)
- 7.3 Global Arbitrary Waveform Generators (AWGs) Market Size (M USD) by Application (2020-2025)
- 7.4 Global Arbitrary Waveform Generators (AWGs) Sales Growth Rate by Application (2020-2025)

8 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET SALES BY REGION

- 8.1 Global Arbitrary Waveform Generators (AWGs) Sales by Region
 - 8.1.1 Global Arbitrary Waveform Generators (AWGs) Sales by Region
 - 8.1.2 Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Region
- 8.2 Global Arbitrary Waveform Generators (AWGs) Market Size by Region
 - 8.2.1 Global Arbitrary Waveform Generators (AWGs) Market Size by Region
 - 8.2.2 Global Arbitrary Waveform Generators (AWGs) Market Size by Region
- 8.3 North America
 - 8.3.1 North America Arbitrary Waveform Generators (AWGs) Sales by Country
 - 8.3.2 North America Arbitrary Waveform Generators (AWGs) Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Arbitrary Waveform Generators (AWGs) Sales by Country
 - 8.4.2 Europe Arbitrary Waveform Generators (AWGs) Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Arbitrary Waveform Generators (AWGs) Sales by Region

8.5.2 Asia Pacific Arbitrary Waveform Generators (AWGs) Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Arbitrary Waveform Generators (AWGs) Sales by Country

8.6.2 South America Arbitrary Waveform Generators (AWGs) Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Arbitrary Waveform Generators (AWGs) Sales by Region

8.7.2 Middle East and Africa Arbitrary Waveform Generators (AWGs) Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET PRODUCTION BY REGION

9.1 Global Production of Arbitrary Waveform Generators (AWGs) by Region(2020-2025)

9.2 Global Arbitrary Waveform Generators (AWGs) Revenue Market Share by Region (2020-2025)

9.3 Global Arbitrary Waveform Generators (AWGs) Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Arbitrary Waveform Generators (AWGs) Production

9.4.1 North America Arbitrary Waveform Generators (AWGs) Production Growth Rate (2020-2025)

9.4.2 North America Arbitrary Waveform Generators (AWGs) Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Arbitrary Waveform Generators (AWGs) Production

9.5.1 Europe Arbitrary Waveform Generators (AWGs) Production Growth Rate (2020-2025)

9.5.2 Europe Arbitrary Waveform Generators (AWGs) Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Arbitrary Waveform Generators (AWGs) Production (2020-2025)

9.6.1 Japan Arbitrary Waveform Generators (AWGs) Production Growth Rate (2020-2025)

9.6.2 Japan Arbitrary Waveform Generators (AWGs) Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Arbitrary Waveform Generators (AWGs) Production (2020-2025)

9.7.1 China Arbitrary Waveform Generators (AWGs) Production Growth Rate (2020-2025)

9.7.2 China Arbitrary Waveform Generators (AWGs) Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Keysight Technologies

10.1.1 Keysight Technologies Basic Information

10.1.2 Keysight Technologies Arbitrary Waveform Generators (AWGs) Product Overview

10.1.3 Keysight Technologies Arbitrary Waveform Generators (AWGs) Product Market Performance

10.1.4 Keysight Technologies Business Overview

10.1.5 Keysight Technologies SWOT Analysis

10.1.6 Keysight Technologies Recent Developments

10.2 Tektronix

10.2.1 Tektronix Basic Information

10.2.2 Tektronix Arbitrary Waveform Generators (AWGs) Product Overview

10.2.3 Tektronix Arbitrary Waveform Generators (AWGs) Product Market Performance

10.2.4 Tektronix Business Overview

10.2.5 Tektronix SWOT Analysis

10.2.6 Tektronix Recent Developments

10.3 Active Technologies

10.3.1 Active Technologies Basic Information

10.3.2 Active Technologies Arbitrary Waveform Generators (AWGs) Product Overview

10.3.3 Active Technologies Arbitrary Waveform Generators (AWGs) Product Market Performance

10.3.4 Active Technologies Business Overview

- 10.3.5 Active Technologies SWOT Analysis
- 10.3.6 Active Technologies Recent Developments
- 10.4 Tabor Electronics
 - 10.4.1 Tabor Electronics Basic Information
 - 10.4.2 Tabor Electronics Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.4.3 Tabor Electronics Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.4.4 Tabor Electronics Business Overview
 - 10.4.5 Tabor Electronics Recent Developments
- 10.5 Siglent Technologies
 - 10.5.1 Siglent Technologies Basic Information
 - 10.5.2 Siglent Technologies Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.5.3 Siglent Technologies Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.5.4 Siglent Technologies Business Overview
 - 10.5.5 Siglent Technologies Recent Developments
- 10.6 BandK Precision
 - 10.6.1 BandK Precision Basic Information
 - 10.6.2 BandK Precision Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.6.3 BandK Precision Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.6.4 BandK Precision Business Overview
 - 10.6.5 BandK Precision Recent Developments
- 10.7 Instek
 - 10.7.1 Instek Basic Information
 - 10.7.2 Instek Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.7.3 Instek Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.7.4 Instek Business Overview
 - 10.7.5 Instek Recent Developments
- 10.8 RIGOL Technologies
 - 10.8.1 RIGOL Technologies Basic Information
 - 10.8.2 RIGOL Technologies Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.8.3 RIGOL Technologies Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.8.4 RIGOL Technologies Business Overview
 - 10.8.5 RIGOL Technologies Recent Developments
- 10.9 Zurich Instruments

- 10.9.1 Zurich Instruments Basic Information
- 10.9.2 Zurich Instruments Arbitrary Waveform Generators (AWGs) Product Overview
- 10.9.3 Zurich Instruments Arbitrary Waveform Generators (AWGs) Product Market Performance
- 10.9.4 Zurich Instruments Business Overview
- 10.9.5 Zurich Instruments Recent Developments
- 10.10 SHF Communication Technologies AG
 - 10.10.1 SHF Communication Technologies AG Basic Information
 - 10.10.2 SHF Communication Technologies AG Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.10.3 SHF Communication Technologies AG Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.10.4 SHF Communication Technologies AG Business Overview
 - 10.10.5 SHF Communication Technologies AG Recent Developments
- 10.11 Spectrum Instrumentation
 - 10.11.1 Spectrum Instrumentation Basic Information
 - 10.11.2 Spectrum Instrumentation Arbitrary Waveform Generators (AWGs) Product Overview
 - 10.11.3 Spectrum Instrumentation Arbitrary Waveform Generators (AWGs) Product Market Performance
 - 10.11.4 Spectrum Instrumentation Business Overview
 - 10.11.5 Spectrum Instrumentation Recent Developments

11 ARBITRARY WAVEFORM GENERATORS (AWGS) MARKET FORECAST BY REGION

- 11.1 Global Arbitrary Waveform Generators (AWGs) Market Size Forecast
- 11.2 Global Arbitrary Waveform Generators (AWGs) Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Arbitrary Waveform Generators (AWGs) Market Size Forecast by Country
 - 11.2.3 Asia Pacific Arbitrary Waveform Generators (AWGs) Market Size Forecast by Region
 - 11.2.4 South America Arbitrary Waveform Generators (AWGs) Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Arbitrary Waveform Generators (AWGs) by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Arbitrary Waveform Generators (AWGs) Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Arbitrary Waveform Generators (AWGs) by Type (2026-2035)

12.1.2 Global Arbitrary Waveform Generators (AWGs) Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Arbitrary Waveform Generators (AWGs) by Type (2026-2035)

12.2 Global Arbitrary Waveform Generators (AWGs) Market Forecast by Application (2026-2035)

12.2.1 Global Arbitrary Waveform Generators (AWGs) Sales (K Units) Forecast by Application

12.2.2 Global Arbitrary Waveform Generators (AWGs) Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Arbitrary Waveform Generators (AWGs) Market Size by Type (M USD)

Table 4. Global Arbitrary Waveform Generators (AWGs) Market Size by Application

Table 5. Arbitrary Waveform Generators (AWGs) Market Size Comparison by Region (M USD)

Table 6. Global Arbitrary Waveform Generators (AWGs) Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Arbitrary Waveform Generators (AWGs) Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Arbitrary Waveform Generators (AWGs) Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Arbitrary Waveform Generators (AWGs) as of 2025)

Table 11. Global Market Arbitrary Waveform Generators (AWGs) Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Arbitrary Waveform Generators (AWGs) Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Arbitrary Waveform Generators (AWGs) Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Arbitrary Waveform Generators (AWGs) Sales by Type (K Units)

Table 27. Global Arbitrary Waveform Generators (AWGs) Market Size by Type (M USD)

Table 28. Global Arbitrary Waveform Generators (AWGs) Sales (K Units) by Type (2020-2025)

Table 29. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Type (2020-2025)

Table 30. Global Arbitrary Waveform Generators (AWGs) Market Size (M USD) by Type (2020-2025)

Table 31. Global Arbitrary Waveform Generators (AWGs) Market Share by Type (2020-2025)

Table 32. Global Arbitrary Waveform Generators (AWGs) Price (USD/Unit) by Type (2020-2025)

Table 33. Global Arbitrary Waveform Generators (AWGs) Sales (K Units) by Application

Table 34. Global Arbitrary Waveform Generators (AWGs) Market Size by Application

Table 35. Global Arbitrary Waveform Generators (AWGs) Sales by Application (2020-2025) & (K Units)

Table 36. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Application (2020-2025)

Table 37. Global Arbitrary Waveform Generators (AWGs) Market Size by Application (2020-2025) & (M USD)

Table 38. Global Arbitrary Waveform Generators (AWGs) Market Share by Application (2020-2025)

Table 39. Global Arbitrary Waveform Generators (AWGs) Sales Growth Rate by Application (2020-2025)

Table 40. Global Arbitrary Waveform Generators (AWGs) Sales by Region (2020-2025) & (K Units)

Table 41. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Region (2020-2025)

Table 42. Global Arbitrary Waveform Generators (AWGs) Market Size by Region (2020-2025) & (M USD)

Table 43. Global Arbitrary Waveform Generators (AWGs) Market Size by Region (2020-2025)

Table 44. North America Arbitrary Waveform Generators (AWGs) Sales by Country (2020-2025) & (K Units)

Table 45. North America Arbitrary Waveform Generators (AWGs) Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Arbitrary Waveform Generators (AWGs) Sales by Country (2020-2025) & (K Units)

Table 47. Europe Arbitrary Waveform Generators (AWGs) Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Arbitrary Waveform Generators (AWGs) Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Arbitrary Waveform Generators (AWGs) Market Size by Region (2020-2025) & (M USD)

Table 50. South America Arbitrary Waveform Generators (AWGs) Sales by Country (2020-2025) & (K Units)

Table 51. South America Arbitrary Waveform Generators (AWGs) Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Arbitrary Waveform Generators (AWGs) Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Arbitrary Waveform Generators (AWGs) Market Size by Region (2020-2025) & (M USD)

Table 54. Global Arbitrary Waveform Generators (AWGs) Production (K Units) by Region(2020-2025)

Table 55. Global Arbitrary Waveform Generators (AWGs) Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Arbitrary Waveform Generators (AWGs) Revenue Market Share by Region (2020-2025)

Table 57. Global Arbitrary Waveform Generators (AWGs) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Arbitrary Waveform Generators (AWGs) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Arbitrary Waveform Generators (AWGs) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Arbitrary Waveform Generators (AWGs) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Arbitrary Waveform Generators (AWGs) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. Keysight Technologies Basic Information

Table 63. Keysight Technologies Arbitrary Waveform Generators (AWGs) Product Overview

Table 64. Keysight Technologies Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. Keysight Technologies Business Overview

Table 66. Keysight Technologies SWOT Analysis

Table 67. Keysight Technologies Recent Developments

Table 68. Tektronix Basic Information

Table 69. Tektronix Arbitrary Waveform Generators (AWGs) Product Overview

Table 70. Tektronix Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue

(M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. Tektronix Business Overview

Table 72. Tektronix SWOT Analysis

Table 73. Tektronix Recent Developments

Table 74. Active Technologies Basic Information

Table 75. Active Technologies Arbitrary Waveform Generators (AWGs) Product Overview

Table 76. Active Technologies Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Active Technologies Business Overview

Table 78. Active Technologies SWOT Analysis

Table 79. Active Technologies Recent Developments

Table 80. Tabor Electronics Basic Information

Table 81. Tabor Electronics Arbitrary Waveform Generators (AWGs) Product Overview

Table 82. Tabor Electronics Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. Tabor Electronics Business Overview

Table 84. Tabor Electronics Recent Developments

Table 85. Siglent Technologies Basic Information

Table 86. Siglent Technologies Arbitrary Waveform Generators (AWGs) Product Overview

Table 87. Siglent Technologies Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. Siglent Technologies Business Overview

Table 89. Siglent Technologies Recent Developments

Table 90. BandK Precision Basic Information

Table 91. BandK Precision Arbitrary Waveform Generators (AWGs) Product Overview

Table 92. BandK Precision Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. BandK Precision Business Overview

Table 94. BandK Precision Recent Developments

Table 95. Instek Basic Information

Table 96. Instek Arbitrary Waveform Generators (AWGs) Product Overview

Table 97. Instek Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. Instek Business Overview

Table 99. Instek Recent Developments

Table 100. RIGOL Technologies Basic Information

Table 101. RIGOL Technologies Arbitrary Waveform Generators (AWGs) Product

Overview

Table 102. RIGOL Technologies Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. RIGOL Technologies Business Overview

Table 104. RIGOL Technologies Recent Developments

Table 105. Zurich Instruments Basic Information

Table 106. Zurich Instruments Arbitrary Waveform Generators (AWGs) Product Overview

Table 107. Zurich Instruments Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Zurich Instruments Business Overview

Table 109. Zurich Instruments Recent Developments

Table 110. SHF Communication Technologies AG Basic Information

Table 111. SHF Communication Technologies AG Arbitrary Waveform Generators (AWGs) Product Overview

Table 112. SHF Communication Technologies AG Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. SHF Communication Technologies AG Business Overview

Table 114. SHF Communication Technologies AG Recent Developments

Table 115. Spectrum Instrumentation Basic Information

Table 116. Spectrum Instrumentation Arbitrary Waveform Generators (AWGs) Product Overview

Table 117. Spectrum Instrumentation Arbitrary Waveform Generators (AWGs) Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. Spectrum Instrumentation Business Overview

Table 119. Spectrum Instrumentation Recent Developments

Table 120. Global Arbitrary Waveform Generators (AWGs) Sales Forecast by Region (2026-2035) & (K Units)

Table 121. Global Arbitrary Waveform Generators (AWGs) Market Size Forecast by Region (2026-2035) & (M USD)

Table 122. North America Arbitrary Waveform Generators (AWGs) Sales Forecast by Country (2026-2035) & (K Units)

Table 123. North America Arbitrary Waveform Generators (AWGs) Market Size Forecast by Country (2026-2035) & (M USD)

Table 124. Europe Arbitrary Waveform Generators (AWGs) Sales Forecast by Country (2026-2035) & (K Units)

Table 125. Europe Arbitrary Waveform Generators (AWGs) Market Size Forecast by Country (2026-2035) & (M USD)

Table 126. Asia Pacific Arbitrary Waveform Generators (AWGs) Sales Forecast by Region (2026-2035) & (K Units)

Table 127. Asia Pacific Arbitrary Waveform Generators (AWGs) Market Size Forecast by Region (2026-2035) & (M USD)

Table 128. South America Arbitrary Waveform Generators (AWGs) Sales Forecast by Country (2026-2035) & (K Units)

Table 129. South America Arbitrary Waveform Generators (AWGs) Market Size Forecast by Country (2026-2035) & (M USD)

Table 130. Middle East and Africa Arbitrary Waveform Generators (AWGs) Sales Forecast by Country (2026-2035) & (Units)

Table 131. Middle East and Africa Arbitrary Waveform Generators (AWGs) Market Size Forecast by Country (2026-2035) & (M USD)

Table 132. Global Arbitrary Waveform Generators (AWGs) Sales Forecast by Type (2026-2035) & (K Units)

Table 133. Global Arbitrary Waveform Generators (AWGs) Market Size Forecast by Type (2026-2035) & (M USD)

Table 134. Global Arbitrary Waveform Generators (AWGs) Price Forecast by Type (2026-2035) & (USD/Unit)

Table 135. Global Arbitrary Waveform Generators (AWGs) Sales (K Units) Forecast by Application (2026-2035)

Table 136. Global Arbitrary Waveform Generators (AWGs) Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Arbitrary Waveform Generators (AWGs)
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Arbitrary Waveform Generators (AWGs) Market Size (M USD), 2025-2035
- Figure 5. Global Arbitrary Waveform Generators (AWGs) Market Size (M USD) (2020-2035)
- Figure 6. Global Arbitrary Waveform Generators (AWGs) Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Arbitrary Waveform Generators (AWGs) Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Arbitrary Waveform Generators (AWGs) Product Life Cycle
- Figure 13. Arbitrary Waveform Generators (AWGs) Sales Share by Manufacturers in 2025
- Figure 14. Global Arbitrary Waveform Generators (AWGs) Revenue Share by Manufacturers in 2025
- Figure 15. Arbitrary Waveform Generators (AWGs) Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Arbitrary Waveform Generators (AWGs) Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Arbitrary Waveform Generators (AWGs) Revenue in 2025
- Figure 18. Industry Chain Map of Arbitrary Waveform Generators (AWGs)
- Figure 19. Global Arbitrary Waveform Generators (AWGs) Market PEST Analysis
- Figure 20. Global Arbitrary Waveform Generators (AWGs) Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Arbitrary Waveform Generators (AWGs) Market Share by Type
- Figure 27. Sales Market Share of Arbitrary Waveform Generators (AWGs) by Type

(2020-2025)

Figure 28. Sales Market Share of Arbitrary Waveform Generators (AWGs) by Type in 2025

Figure 29. Market Share of Arbitrary Waveform Generators (AWGs) by Type (2020-2025)

Figure 30. Market Share of Arbitrary Waveform Generators (AWGs) by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Arbitrary Waveform Generators (AWGs) Market Share by Application

Figure 33. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Application (2020-2025)

Figure 34. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Application in 2025

Figure 35. Global Arbitrary Waveform Generators (AWGs) Market Share by Application (2020-2025)

Figure 36. Global Arbitrary Waveform Generators (AWGs) Market Share by Application in 2025

Figure 37. Global Arbitrary Waveform Generators (AWGs) Sales Growth Rate by Application (2020-2025)

Figure 38. Global Arbitrary Waveform Generators (AWGs) Sales Market Share by Region (2020-2025)

Figure 39. Global Arbitrary Waveform Generators (AWGs) Market Size by Region (2020-2025)

Figure 40. North America Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Arbitrary Waveform Generators (AWGs) Sales Market Share by Country in 2024

Figure 43. North America Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Arbitrary Waveform Generators (AWGs) Market Size by Country in 2024

Figure 45. U.S. Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Arbitrary Waveform Generators (AWGs) Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Arbitrary Waveform Generators (AWGs) Market Size (M USD) and

Growth Rate (2020-2025)

Figure 49. Mexico Arbitrary Waveform Generators (AWGs) Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Arbitrary Waveform Generators (AWGs) Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Arbitrary Waveform Generators (AWGs) Sales Market Share by Country in 2024

Figure 53. Europe Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Arbitrary Waveform Generators (AWGs) Market Size by Country in 2024

Figure 55. Germany Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Arbitrary Waveform Generators (AWGs) Sales Market Share by Region in 2024

Figure 67. Asia Pacific Arbitrary Waveform Generators (AWGs) Market Size by Region in 2024

Figure 68. China Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (K Units)

Figure 79. South America Arbitrary Waveform Generators (AWGs) Sales Market Share by Country in 2024

Figure 80. South America Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (M USD)

Figure 81. South America Arbitrary Waveform Generators (AWGs) Market Size by Country in 2024

Figure 82. Brazil Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Arbitrary Waveform Generators (AWGs) Market Size and Growth

Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Arbitrary Waveform Generators (AWGs) Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Arbitrary Waveform Generators (AWGs) Market Size by Region in 2024

Figure 92. Saudi Arabia Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Arbitrary Waveform Generators (AWGs) Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Arbitrary Waveform Generators (AWGs) Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Arbitrary Waveform Generators (AWGs) Production Market Share by Region (2020-2025)

Figure 103. North America Arbitrary Waveform Generators (AWGs) Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Arbitrary Waveform Generators (AWGs) Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Arbitrary Waveform Generators (AWGs) Production (K Units) Growth Rate (2020-2025)

Figure 106. China Arbitrary Waveform Generators (AWGs) Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Arbitrary Waveform Generators (AWGs) Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Arbitrary Waveform Generators (AWGs) Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Arbitrary Waveform Generators (AWGs) Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Arbitrary Waveform Generators (AWGs) Market Share Forecast by Type (2026-2035)

Figure 111. Global Arbitrary Waveform Generators (AWGs) Sales Forecast by Application (2026-2035)

Figure 112. Global Arbitrary Waveform Generators (AWGs) Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global Arbitrary Waveform Generators (AWGs) Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/G5EFAEAC878EEN.html>

Price: US\$ 2,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5EFAEAC878EEN.html>