

Global Bidirectional Geogrid Market Research Report 2026(Status and Outlook)

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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 Bidirectional Geogrid competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. In 2024, global Bidirectional Geogrid production reached approximately 320.87 million square meter, with an average global market price of around US\$ 3.1 per square meter. A bidirectional geogrid is a type of geosynthetic material that possesses approximately equal tensile strength and tensile modulus in both the machine direction (longitudinal) and the cross-machine direction (transverse). It is typically manufactured by precision punching a polymeric sheet (e.g., polypropylene PP or high-density polyethylene HDPE) followed by simultaneous or sequential oriented stretching in two perpendicular directions. This process induces a high degree of molecular orientation along both axes, resulting in an integral grid structure with uniform rectangular or square apertures. Its primary function is to provide lateral confinement to soil in geotechnical applications. Through the interlocking mechanism between its apertures and the soil/aggregate particles, it significantly enhances the integrity, load-bearing capacity, and stability of the soil mass, while effectively distributing loads and reducing differential settlement. It is predominantly used in applications requiring uniform biaxial reinforcement, such as soft soil stabilization, embankments, road bases, and slope protection.

The global Bidirectional Geogrid market size was estimated at USD 995.0 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 Bidirectional Geogrid 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 Bidirectional Geogrid 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 Bidirectional Geogrid market.

Global Bidirectional Geogrid 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

Tenax Geogrids
Polyfabrics
TechFab India
ACE Geosynthetics

Carthage Mills
NAUE Secugrid
Maccaferri
Huesker
Taian Road Engineering Materials
Shandong Hock Technology
Shandong Road New Material
Qingdao Haisan New Energy
Jiangsu SADE
Shandong Taiwei
Dezhou Huaxiang
Shandong Fellowship Engineering Plastics

Market Segmentation (by Type)

Plastic Geogrid
Steel-Plastic Geogrid
Glass Fiber Geogrid
Other

Market Segmentation (by Application)

Tunnels and Underground Engineering
Highways and Railways
Water Conservancy Projects
Other

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 Bidirectional Geogrid Market
Overview of the regional outlook of the Bidirectional Geogrid 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 Bidirectional Geogrid 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 Bidirectional Geogrid, 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

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Bidirectional Geogrid
- 1.2 Key Market Segments
 - 1.2.1 Bidirectional Geogrid Segment by Type
 - 1.2.2 Bidirectional Geogrid 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 BIDIRECTIONAL GEOGRID MARKET OVERVIEW

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

3 BIDIRECTIONAL GEOGRID MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Bidirectional Geogrid Product Life Cycle
- 3.3 Global Bidirectional Geogrid Sales by Manufacturers (2020-2025)
- 3.4 Global Bidirectional Geogrid Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Bidirectional Geogrid Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Bidirectional Geogrid Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Bidirectional Geogrid Market Competitive Situation and Trends
 - 3.8.1 Bidirectional Geogrid Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Bidirectional Geogrid Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 BIDIRECTIONAL GEOGRID INDUSTRY CHAIN ANALYSIS

- 4.1 Bidirectional Geogrid 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 BIDIRECTIONAL GEOGRID 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 Bidirectional Geogrid 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 Bidirectional Geogrid Market
- 5.7 ESG Ratings of Leading Companies

6 BIDIRECTIONAL GEOGRID MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Bidirectional Geogrid Sales Market Share by Type (2020-2025)
- 6.3 Global Bidirectional Geogrid Market Size by Type (2020-2025)
- 6.4 Global Bidirectional Geogrid Price by Type (2020-2025)

7 BIDIRECTIONAL GEOGRID MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Bidirectional Geogrid Market Sales by Application (2020-2025)
- 7.3 Global Bidirectional Geogrid Market Size (M USD) by Application (2020-2025)

7.4 Global Bidirectional Geogrid Sales Growth Rate by Application (2020-2025)

8 BIDIRECTIONAL GEOGRID MARKET SALES BY REGION

8.1 Global Bidirectional Geogrid Sales by Region

8.1.1 Global Bidirectional Geogrid Sales by Region

8.1.2 Global Bidirectional Geogrid Sales Market Share by Region

8.2 Global Bidirectional Geogrid Market Size by Region

8.2.1 Global Bidirectional Geogrid Market Size by Region

8.2.2 Global Bidirectional Geogrid Market Size by Region

8.3 North America

8.3.1 North America Bidirectional Geogrid Sales by Country

8.3.2 North America Bidirectional Geogrid 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 Bidirectional Geogrid Sales by Country

8.4.2 Europe Bidirectional Geogrid 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 Bidirectional Geogrid Sales by Region

8.5.2 Asia Pacific Bidirectional Geogrid 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 Bidirectional Geogrid Sales by Country

8.6.2 South America Bidirectional Geogrid 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 Bidirectional Geogrid Sales by Region
- 8.7.2 Middle East and Africa Bidirectional Geogrid 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 BIDIRECTIONAL GEOGRID MARKET PRODUCTION BY REGION

- 9.1 Global Production of Bidirectional Geogrid by Region(2020-2025)
- 9.2 Global Bidirectional Geogrid Revenue Market Share by Region (2020-2025)
- 9.3 Global Bidirectional Geogrid Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Bidirectional Geogrid Production
 - 9.4.1 North America Bidirectional Geogrid Production Growth Rate (2020-2025)
 - 9.4.2 North America Bidirectional Geogrid Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Bidirectional Geogrid Production
 - 9.5.1 Europe Bidirectional Geogrid Production Growth Rate (2020-2025)
 - 9.5.2 Europe Bidirectional Geogrid Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Bidirectional Geogrid Production (2020-2025)
 - 9.6.1 Japan Bidirectional Geogrid Production Growth Rate (2020-2025)
 - 9.6.2 Japan Bidirectional Geogrid Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Bidirectional Geogrid Production (2020-2025)
 - 9.7.1 China Bidirectional Geogrid Production Growth Rate (2020-2025)
 - 9.7.2 China Bidirectional Geogrid Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 Tenax Geogrids
 - 10.1.1 Tenax Geogrids Basic Information
 - 10.1.2 Tenax Geogrids Bidirectional Geogrid Product Overview
 - 10.1.3 Tenax Geogrids Bidirectional Geogrid Product Market Performance
 - 10.1.4 Tenax Geogrids Business Overview
 - 10.1.5 Tenax Geogrids SWOT Analysis

- 10.1.6 Tenax Geogrids Recent Developments
- 10.2 Polyfabrics
 - 10.2.1 Polyfabrics Basic Information
 - 10.2.2 Polyfabrics Bidirectional Geogrid Product Overview
 - 10.2.3 Polyfabrics Bidirectional Geogrid Product Market Performance
 - 10.2.4 Polyfabrics Business Overview
 - 10.2.5 Polyfabrics SWOT Analysis
 - 10.2.6 Polyfabrics Recent Developments
- 10.3 TechFab India
 - 10.3.1 TechFab India Basic Information
 - 10.3.2 TechFab India Bidirectional Geogrid Product Overview
 - 10.3.3 TechFab India Bidirectional Geogrid Product Market Performance
 - 10.3.4 TechFab India Business Overview
 - 10.3.5 TechFab India SWOT Analysis
 - 10.3.6 TechFab India Recent Developments
- 10.4 ACE Geosynthetics
 - 10.4.1 ACE Geosynthetics Basic Information
 - 10.4.2 ACE Geosynthetics Bidirectional Geogrid Product Overview
 - 10.4.3 ACE Geosynthetics Bidirectional Geogrid Product Market Performance
 - 10.4.4 ACE Geosynthetics Business Overview
 - 10.4.5 ACE Geosynthetics Recent Developments
- 10.5 Carthage Mills
 - 10.5.1 Carthage Mills Basic Information
 - 10.5.2 Carthage Mills Bidirectional Geogrid Product Overview
 - 10.5.3 Carthage Mills Bidirectional Geogrid Product Market Performance
 - 10.5.4 Carthage Mills Business Overview
 - 10.5.5 Carthage Mills Recent Developments
- 10.6 NAUE Secugrid
 - 10.6.1 NAUE Secugrid Basic Information
 - 10.6.2 NAUE Secugrid Bidirectional Geogrid Product Overview
 - 10.6.3 NAUE Secugrid Bidirectional Geogrid Product Market Performance
 - 10.6.4 NAUE Secugrid Business Overview
 - 10.6.5 NAUE Secugrid Recent Developments
- 10.7 Maccaferri
 - 10.7.1 Maccaferri Basic Information
 - 10.7.2 Maccaferri Bidirectional Geogrid Product Overview
 - 10.7.3 Maccaferri Bidirectional Geogrid Product Market Performance
 - 10.7.4 Maccaferri Business Overview
 - 10.7.5 Maccaferri Recent Developments

10.8 Huesker

10.8.1 Huesker Basic Information

10.8.2 Huesker Bidirectional Geogrid Product Overview

10.8.3 Huesker Bidirectional Geogrid Product Market Performance

10.8.4 Huesker Business Overview

10.8.5 Huesker Recent Developments

10.9 Taian Road Engineering Materials

10.9.1 Taian Road Engineering Materials Basic Information

10.9.2 Taian Road Engineering Materials Bidirectional Geogrid Product Overview

10.9.3 Taian Road Engineering Materials Bidirectional Geogrid Product Market

Performance

10.9.4 Taian Road Engineering Materials Business Overview

10.9.5 Taian Road Engineering Materials Recent Developments

10.10 Shandong Hock Technology

10.10.1 Shandong Hock Technology Basic Information

10.10.2 Shandong Hock Technology Bidirectional Geogrid Product Overview

10.10.3 Shandong Hock Technology Bidirectional Geogrid Product Market

Performance

10.10.4 Shandong Hock Technology Business Overview

10.10.5 Shandong Hock Technology Recent Developments

10.11 Shandong Road New Material

10.11.1 Shandong Road New Material Basic Information

10.11.2 Shandong Road New Material Bidirectional Geogrid Product Overview

10.11.3 Shandong Road New Material Bidirectional Geogrid Product Market

Performance

10.11.4 Shandong Road New Material Business Overview

10.11.5 Shandong Road New Material Recent Developments

10.12 Qingdao Haisan New Energy

10.12.1 Qingdao Haisan New Energy Basic Information

10.12.2 Qingdao Haisan New Energy Bidirectional Geogrid Product Overview

10.12.3 Qingdao Haisan New Energy Bidirectional Geogrid Product Market

Performance

10.12.4 Qingdao Haisan New Energy Business Overview

10.12.5 Qingdao Haisan New Energy Recent Developments

10.13 Jiangsu SADE

10.13.1 Jiangsu SADE Basic Information

10.13.2 Jiangsu SADE Bidirectional Geogrid Product Overview

10.13.3 Jiangsu SADE Bidirectional Geogrid Product Market Performance

10.13.4 Jiangsu SADE Business Overview

- 10.13.5 Jiangsu SADE Recent Developments
- 10.14 Shandong Taiwei
 - 10.14.1 Shandong Taiwei Basic Information
 - 10.14.2 Shandong Taiwei Bidirectional Geogrid Product Overview
 - 10.14.3 Shandong Taiwei Bidirectional Geogrid Product Market Performance
 - 10.14.4 Shandong Taiwei Business Overview
 - 10.14.5 Shandong Taiwei Recent Developments
- 10.15 Dezhou Huaxiang
 - 10.15.1 Dezhou Huaxiang Basic Information
 - 10.15.2 Dezhou Huaxiang Bidirectional Geogrid Product Overview
 - 10.15.3 Dezhou Huaxiang Bidirectional Geogrid Product Market Performance
 - 10.15.4 Dezhou Huaxiang Business Overview
 - 10.15.5 Dezhou Huaxiang Recent Developments
- 10.16 Shandong Fellowship Engineering Plastics
 - 10.16.1 Shandong Fellowship Engineering Plastics Basic Information
 - 10.16.2 Shandong Fellowship Engineering Plastics Bidirectional Geogrid Product Overview
 - 10.16.3 Shandong Fellowship Engineering Plastics Bidirectional Geogrid Product Market Performance
 - 10.16.4 Shandong Fellowship Engineering Plastics Business Overview
 - 10.16.5 Shandong Fellowship Engineering Plastics Recent Developments

11 BIDIRECTIONAL GEOGRID MARKET FORECAST BY REGION

- 11.1 Global Bidirectional Geogrid Market Size Forecast
- 11.2 Global Bidirectional Geogrid Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Bidirectional Geogrid Market Size Forecast by Country
 - 11.2.3 Asia Pacific Bidirectional Geogrid Market Size Forecast by Region
 - 11.2.4 South America Bidirectional Geogrid Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Bidirectional Geogrid by Country

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

- 12.1 Global Bidirectional Geogrid Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of Bidirectional Geogrid by Type (2026-2035)
 - 12.1.2 Global Bidirectional Geogrid Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of Bidirectional Geogrid by Type (2026-2035)
- 12.2 Global Bidirectional Geogrid Market Forecast by Application (2026-2035)

- 12.2.1 Global Bidirectional Geogrid Sales (K MT) Forecast by Application
- 12.2.2 Global Bidirectional Geogrid 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 Bidirectional Geogrid Market Size by Type (M USD)

Table 4. Global Bidirectional Geogrid Market Size by Application

Table 5. Bidirectional Geogrid Market Size Comparison by Region (M USD)

Table 6. Global Bidirectional Geogrid Sales (K MT) by Manufacturers (2020-2025)

Table 7. Global Bidirectional Geogrid Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Bidirectional Geogrid Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Bidirectional Geogrid Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Bidirectional Geogrid as of 2025)

Table 11. Global Market Bidirectional Geogrid Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Bidirectional Geogrid 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. Bidirectional Geogrid 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 Bidirectional Geogrid Sales by Type (K MT)

Table 27. Global Bidirectional Geogrid Market Size by Type (M USD)

Table 28. Global Bidirectional Geogrid Sales (K MT) by Type (2020-2025)

Table 29. Global Bidirectional Geogrid Sales Market Share by Type (2020-2025)

Table 30. Global Bidirectional Geogrid Market Size (M USD) by Type (2020-2025)

- Table 31. Global Bidirectional Geogrid Market Share by Type (2020-2025)
- Table 32. Global Bidirectional Geogrid Price (USD/KG) by Type (2020-2025)
- Table 33. Global Bidirectional Geogrid Sales (K MT) by Application
- Table 34. Global Bidirectional Geogrid Market Size by Application
- Table 35. Global Bidirectional Geogrid Sales by Application (2020-2025) & (K MT)
- Table 36. Global Bidirectional Geogrid Sales Market Share by Application (2020-2025)
- Table 37. Global Bidirectional Geogrid Market Size by Application (2020-2025) & (M USD)
- Table 38. Global Bidirectional Geogrid Market Share by Application (2020-2025)
- Table 39. Global Bidirectional Geogrid Sales Growth Rate by Application (2020-2025)
- Table 40. Global Bidirectional Geogrid Sales by Region (2020-2025) & (K MT)
- Table 41. Global Bidirectional Geogrid Sales Market Share by Region (2020-2025)
- Table 42. Global Bidirectional Geogrid Market Size by Region (2020-2025) & (M USD)
- Table 43. Global Bidirectional Geogrid Market Size by Region (2020-2025)
- Table 44. North America Bidirectional Geogrid Sales by Country (2020-2025) & (K MT)
- Table 45. North America Bidirectional Geogrid Market Size by Country (2020-2025) & (M USD)
- Table 46. Europe Bidirectional Geogrid Sales by Country (2020-2025) & (K MT)
- Table 47. Europe Bidirectional Geogrid Market Size by Country (2020-2025) & (M USD)
- Table 48. Asia Pacific Bidirectional Geogrid Sales by Region (2020-2025) & (K MT)
- Table 49. Asia Pacific Bidirectional Geogrid Market Size by Region (2020-2025) & (M USD)
- Table 50. South America Bidirectional Geogrid Sales by Country (2020-2025) & (K MT)
- Table 51. South America Bidirectional Geogrid Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa Bidirectional Geogrid Sales by Region (2020-2025) & (K MT)
- Table 53. Middle East and Africa Bidirectional Geogrid Market Size by Region (2020-2025) & (M USD)
- Table 54. Global Bidirectional Geogrid Production (K MT) by Region(2020-2025)
- Table 55. Global Bidirectional Geogrid Revenue (US\$ Million) by Region (2020-2025)
- Table 56. Global Bidirectional Geogrid Revenue Market Share by Region (2020-2025)
- Table 57. Global Bidirectional Geogrid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)
- Table 58. North America Bidirectional Geogrid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)
- Table 59. Europe Bidirectional Geogrid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)
- Table 60. Japan Bidirectional Geogrid Production (K MT), Revenue (US\$ Million), Price

(USD/KG) and Gross Margin (2020-2025)

Table 61. China Bidirectional Geogrid Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. Tenax Geogrids Basic Information

Table 63. Tenax Geogrids Bidirectional Geogrid Product Overview

Table 64. Tenax Geogrids Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. Tenax Geogrids Business Overview

Table 66. Tenax Geogrids SWOT Analysis

Table 67. Tenax Geogrids Recent Developments

Table 68. Polyfabrics Basic Information

Table 69. Polyfabrics Bidirectional Geogrid Product Overview

Table 70. Polyfabrics Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Polyfabrics Business Overview

Table 72. Polyfabrics SWOT Analysis

Table 73. Polyfabrics Recent Developments

Table 74. TechFab India Basic Information

Table 75. TechFab India Bidirectional Geogrid Product Overview

Table 76. TechFab India Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 77. TechFab India Business Overview

Table 78. TechFab India SWOT Analysis

Table 79. TechFab India Recent Developments

Table 80. ACE Geosynthetics Basic Information

Table 81. ACE Geosynthetics Bidirectional Geogrid Product Overview

Table 82. ACE Geosynthetics Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 83. ACE Geosynthetics Business Overview

Table 84. ACE Geosynthetics Recent Developments

Table 85. Carthage Mills Basic Information

Table 86. Carthage Mills Bidirectional Geogrid Product Overview

Table 87. Carthage Mills Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 88. Carthage Mills Business Overview

Table 89. Carthage Mills Recent Developments

Table 90. NAUE Secugrid Basic Information

Table 91. NAUE Secugrid Bidirectional Geogrid Product Overview

Table 92. NAUE Secugrid Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price

(USD/KG) and Gross Margin (2020-2025)

Table 93. NAUE Secugrid Business Overview

Table 94. NAUE Secugrid Recent Developments

Table 95. Maccaferri Basic Information

Table 96. Maccaferri Bidirectional Geogrid Product Overview

Table 97. Maccaferri Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 98. Maccaferri Business Overview

Table 99. Maccaferri Recent Developments

Table 100. Huesker Basic Information

Table 101. Huesker Bidirectional Geogrid Product Overview

Table 102. Huesker Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 103. Huesker Business Overview

Table 104. Huesker Recent Developments

Table 105. Taian Road Engineering Materials Basic Information

Table 106. Taian Road Engineering Materials Bidirectional Geogrid Product Overview

Table 107. Taian Road Engineering Materials Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 108. Taian Road Engineering Materials Business Overview

Table 109. Taian Road Engineering Materials Recent Developments

Table 110. Shandong Hock Technology Basic Information

Table 111. Shandong Hock Technology Bidirectional Geogrid Product Overview

Table 112. Shandong Hock Technology Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 113. Shandong Hock Technology Business Overview

Table 114. Shandong Hock Technology Recent Developments

Table 115. Shandong Road New Material Basic Information

Table 116. Shandong Road New Material Bidirectional Geogrid Product Overview

Table 117. Shandong Road New Material Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 118. Shandong Road New Material Business Overview

Table 119. Shandong Road New Material Recent Developments

Table 120. Qingdao Haisan New Energy Basic Information

Table 121. Qingdao Haisan New Energy Bidirectional Geogrid Product Overview

Table 122. Qingdao Haisan New Energy Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 123. Qingdao Haisan New Energy Business Overview

Table 124. Qingdao Haisan New Energy Recent Developments

- Table 125. Jiangsu SADE Basic Information
- Table 126. Jiangsu SADE Bidirectional Geogrid Product Overview
- Table 127. Jiangsu SADE Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 128. Jiangsu SADE Business Overview
- Table 129. Jiangsu SADE Recent Developments
- Table 130. Shandong Taiwei Basic Information
- Table 131. Shandong Taiwei Bidirectional Geogrid Product Overview
- Table 132. Shandong Taiwei Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 133. Shandong Taiwei Business Overview
- Table 134. Shandong Taiwei Recent Developments
- Table 135. Dezhou Huaxiang Basic Information
- Table 136. Dezhou Huaxiang Bidirectional Geogrid Product Overview
- Table 137. Dezhou Huaxiang Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 138. Dezhou Huaxiang Business Overview
- Table 139. Dezhou Huaxiang Recent Developments
- Table 140. Shandong Fellowship Engineering Plastics Basic Information
- Table 141. Shandong Fellowship Engineering Plastics Bidirectional Geogrid Product Overview
- Table 142. Shandong Fellowship Engineering Plastics Bidirectional Geogrid Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 143. Shandong Fellowship Engineering Plastics Business Overview
- Table 144. Shandong Fellowship Engineering Plastics Recent Developments
- Table 145. Global Bidirectional Geogrid Sales Forecast by Region (2026-2035) & (K MT)
- Table 146. Global Bidirectional Geogrid Market Size Forecast by Region (2026-2035) & (M USD)
- Table 147. North America Bidirectional Geogrid Sales Forecast by Country (2026-2035) & (K MT)
- Table 148. North America Bidirectional Geogrid Market Size Forecast by Country (2026-2035) & (M USD)
- Table 149. Europe Bidirectional Geogrid Sales Forecast by Country (2026-2035) & (K MT)
- Table 150. Europe Bidirectional Geogrid Market Size Forecast by Country (2026-2035) & (M USD)
- Table 151. Asia Pacific Bidirectional Geogrid Sales Forecast by Region (2026-2035) & (K MT)

Table 152. Asia Pacific Bidirectional Geogrid Market Size Forecast by Region (2026-2035) & (M USD)

Table 153. South America Bidirectional Geogrid Sales Forecast by Country (2026-2035) & (K MT)

Table 154. South America Bidirectional Geogrid Market Size Forecast by Country (2026-2035) & (M USD)

Table 155. Middle East and Africa Bidirectional Geogrid Sales Forecast by Country (2026-2035) & (Units)

Table 156. Middle East and Africa Bidirectional Geogrid Market Size Forecast by Country (2026-2035) & (M USD)

Table 157. Global Bidirectional Geogrid Sales Forecast by Type (2026-2035) & (K MT)

Table 158. Global Bidirectional Geogrid Market Size Forecast by Type (2026-2035) & (M USD)

Table 159. Global Bidirectional Geogrid Price Forecast by Type (2026-2035) & (USD/KG)

Table 160. Global Bidirectional Geogrid Sales (K MT) Forecast by Application (2026-2035)

Table 161. Global Bidirectional Geogrid Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Bidirectional Geogrid
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Bidirectional Geogrid Market Size (M USD), 2025-2035
- Figure 5. Global Bidirectional Geogrid Market Size (M USD) (2020-2035)
- Figure 6. Global Bidirectional Geogrid Sales (K MT) & (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. Bidirectional Geogrid Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Bidirectional Geogrid Product Life Cycle
- Figure 13. Bidirectional Geogrid Sales Share by Manufacturers in 2025
- Figure 14. Global Bidirectional Geogrid Revenue Share by Manufacturers in 2025
- Figure 15. Bidirectional Geogrid Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Bidirectional Geogrid Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Bidirectional Geogrid Revenue in 2025
- Figure 18. Industry Chain Map of Bidirectional Geogrid
- Figure 19. Global Bidirectional Geogrid Market PEST Analysis
- Figure 20. Global Bidirectional Geogrid 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 Bidirectional Geogrid Market Share by Type
- Figure 27. Sales Market Share of Bidirectional Geogrid by Type (2020-2025)
- Figure 28. Sales Market Share of Bidirectional Geogrid by Type in 2025
- Figure 29. Market Share of Bidirectional Geogrid by Type (2020-2025)
- Figure 30. Market Share of Bidirectional Geogrid by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Bidirectional Geogrid Market Share by Application

- Figure 33. Global Bidirectional Geogrid Sales Market Share by Application (2020-2025)
- Figure 34. Global Bidirectional Geogrid Sales Market Share by Application in 2025
- Figure 35. Global Bidirectional Geogrid Market Share by Application (2020-2025)
- Figure 36. Global Bidirectional Geogrid Market Share by Application in 2025
- Figure 37. Global Bidirectional Geogrid Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Bidirectional Geogrid Sales Market Share by Region (2020-2025)
- Figure 39. Global Bidirectional Geogrid Market Size by Region (2020-2025)
- Figure 40. North America Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 41. North America Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 42. North America Bidirectional Geogrid Sales Market Share by Country in 2024
- Figure 43. North America Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Bidirectional Geogrid Market Size by Country in 2024
- Figure 45. U.S. Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 46. U.S. Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Bidirectional Geogrid Sales (K MT) and Growth Rate (2020-2025)
- Figure 48. Canada Bidirectional Geogrid Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Bidirectional Geogrid Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Bidirectional Geogrid Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 52. Europe Bidirectional Geogrid Sales Market Share by Country in 2024
- Figure 53. Europe Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe Bidirectional Geogrid Market Size by Country in 2024
- Figure 55. Germany Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 56. Germany Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 57. France Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 58. France Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 59. U.K. Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)
- Figure 60. U.K. Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Bidirectional Geogrid Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Bidirectional Geogrid Sales Market Share by Region in 2024

Figure 67. Asia Pacific Bidirectional Geogrid Market Size by Region in 2024

Figure 68. China Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Bidirectional Geogrid Sales and Growth Rate (K MT)

Figure 79. South America Bidirectional Geogrid Sales Market Share by Country in 2024

Figure 80. South America Bidirectional Geogrid Market Size and Growth Rate (M USD)

Figure 81. South America Bidirectional Geogrid Market Size by Country in 2024

Figure 82. Brazil Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Bidirectional Geogrid Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Bidirectional Geogrid Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Bidirectional Geogrid Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Bidirectional Geogrid Market Size by Region in 2024

Figure 92. Saudi Arabia Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Bidirectional Geogrid Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Bidirectional Geogrid Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Bidirectional Geogrid Production Market Share by Region (2020-2025)

Figure 103. North America Bidirectional Geogrid Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Bidirectional Geogrid Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Bidirectional Geogrid Production (K MT) Growth Rate (2020-2025)

Figure 106. China Bidirectional Geogrid Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Bidirectional Geogrid Sales Forecast by Volume (2020-2035) & (K MT)

Figure 108. Global Bidirectional Geogrid Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Bidirectional Geogrid Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Bidirectional Geogrid Market Share Forecast by Type (2026-2035)

Figure 111. Global Bidirectional Geogrid Sales Forecast by Application (2026-2035)

Figure 112. Global Bidirectional Geogrid Market Share Forecast by Application (2026-2035)

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