

Global Natural Graphite Materials Market by Form (Flake, Amorphous, and Vein), by Application Type (Refractory, Foundry, Battery, Lubricants, Frictional Products, Pencil, Parts & Components, and Others), by End Use Industry (Metal, Aerospace & Defense, Automotive, Industrial, and Others), by Sales Channel (Direct Sales and Distributors), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2016-2021

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Abstracts

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the natural graphite market over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

The Global Natural Graphite Market: Highlights

Natural graphite is a form of carbon where atoms are arranged in the layers that have weak bonds between each other. Natural graphite has three principal types: Amorphous, Flake, and Vein. Each natural graphite type has distinctive characteristics and is formed in unique geologic settings. Natural graphite production is mainly from small underground mines in China. China is the world's largest producer of natural

graphite for both amorphous and flake graphite, and accounts for more than 65% of total global natural graphite production. Other countries with good natural graphite production include Brazil, North Korea, Canada, India, Romania, Ukraine, Mexico, Madagascar, Austria, Turkey, and Sri Lanka. Sri Lanka is the only country that produces high quality vein graphite.

The price of natural graphite is dependent on two variables; size and purity. Large size (+80 mesh) and high Carbon content (+94%) leads to premium pricing. Average prices of flake graphite have fallen continuously from the peak observed in 2011.

Currently, refractory is the largest application of natural graphite. However, it has continuously lost market share during 2011 – 2015 and is expected to lose further in the next five years. The decline is due to the reduced demand of refractories from steel industry and slower economic growth in China.

Batteries are currently the hot topic in the natural graphite market. All of the major natural graphite producers are discussing about the growth potential of natural graphite in the batteries for the automotive and other industries, such as consumer goods. Battery is an application where both natural and synthetic graphite are used and truly compete with each other. There will be a continued shift in graphite market away from amorphous natural graphite towards flake and synthetic graphite as emerging applications like batteries typically require large flake and high-purity grades.

Tesla Motors with Panasonic and other strategic partners started building its lithium-ion battery called Gigafactory near northern Nevada, US. Company will start manufacturing Gigafactory battery on the limited production basis from 2016 which will be fully streamlined by 2020 with the total capacity of 35 GWh (Gigawatt hours). A Gigafactory battery uses about 96 kg of graphite and has the potential to double the world supply of lithium-ion batteries. Company estimates that it will produce about 500,000 electric vehicles in 2020 that translates into the need of 48,000 tons of graphite.

The natural graphite market offers a healthy growth opportunity during the forecast period of 2016 to 2021. Refractory is expected to remain the largest application of the natural graphite during the forecast period. Battery is expected to experience the fastest growth with double digit rate in the next five years.

The key natural graphite manufactures are South Graphite, Heilongjiang Aoyu Energy, Nacional de Grafite, Qingdao Haida Graphite, Graphite India, Hunan Chenzhou Lutang Crystallitic Graphite & Carbon, Hubei Hengda Graphite Shareholding, Eagle Graphite,

and Ashbury Graphite Mills.

Research Methodology

This report offers high quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 1,000 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. More than 20 detailed primary interviews with the market players across the value chain in the all four regions and industry experts have been executed to obtain both the qualitative and quantitative insights.

Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

Market trend and forecast analysis

Market segment trend and forecast

Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends

Strategic growth opportunities for the existing and new players

Key success factors

The global natural graphite market is segmented into the following categories.

Global Natural Graphite Market by Form:

- Flake Graphite
 - Expandable Graphite
 - Spherical Graphite
 - Graphene

- Amorphous Graphite

- Vein and Other Graphite

Global Natural Graphite Market by Applications:

- Refractory

- Foundry

- Battery

- Lubricants

- Frictional Products

- Pencil

- Parts & Components

- Others

Global Natural Graphite Market by End Use Industry:

Metal Industry

Aerospace & Defense

Automotive Industry

Industrial

Others

Global Natural Graphite Market by Sales Channel:

Direct Sales

Distributors

Global Natural Graphite Market by Region:

North America

Europe

Asia – Pacific

Rest of the World

Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

Company Profiling

Detailed profiling of additional market players (upto 3)

SWOT analysis of key players (upto 3)

Geographic Analysis

Further segmentation of North America into USA, Canada, and Mexico

Regional Segmentation

Current market segmentation of any one of the regions by application

Contents

- Disclaimer
- Copyright
- Abbreviation
- Currency Exchange
- About Us
- Research Methodology
- Secondary Research
 - Key Information Gathered from Secondary Research
- Primary Research
 - Key Information Gathered from Primary Research
 - Breakdown of Primary Interviews by Region, Designation, and Value Chain Node
- Data Analysis and Triangulation
- Report Scope
- Report Objectives

1. EXECUTIVE SUMMARY

2. INDUSTRY OVERVIEW

- 2.1. Introduction
- 2.2. Natural Graphite v/s Competing Materials
- 2.3. Supply Chain Analysis
- 2.4. Market Segmentation
 - 2.4.1. By Form
 - 2.4.2. By Applications
 - 2.4.3. By End Use Industry
 - 2.4.4. By Sales Channel
 - 2.4.5. By Region

3. MARKET ENVIRONMENT ANALYSIS

- 3.1. PEST Analysis: Impact Assessment of Changing Business Environment
- 3.2. Market Drivers
- 3.3. Market Constraints
- 3.4. Porter Five Forces Analysis
 - 3.4.1. Bargaining Power of Suppliers
 - 3.4.2. Bargaining Power of Customers

- 3.4.3. Threat of New Entrants
- 3.4.4. Threat of Substitutes
- 3.4.5. Competitive Rivalry
- 3.5. SWOT Analysis
- 3.6. Supply v/s Demand Analysis

4. GLOBAL NATURAL GRAPHITE MARKET – BY FORM

- 4.1. Strategic Insights
- 4.2. Global Natural Graphite Market by Form in 2015
- 4.3. Global Natural Graphite Market Trend and Forecast by Form (US\$ Million)
- 4.4. Global Natural Graphite Market Trend and Forecast by Form (Million lbs)
- 4.5. Growth Magnitude of the Global Natural Graphite Market by Form
- 4.6. Flake Graphite Market Trend and Forecast (US\$ Million and Million lbs)
 - 4.6.1. Expandable Graphite Market Trend and Forecast (US\$ Million and Million lbs)
 - 4.6.2. Spherical Graphite Market Trend and Forecast (US\$ Million and Million lbs)
 - 4.6.3. Graphene Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 4.7. Amorphous Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 4.8. Vein and Other Graphite Market Trend and Forecast (US\$ Million and Million lbs)

5. GLOBAL NATURAL GRAPHITE MARKET – BY APPLICATIONS

- 5.1. Strategic Insights
- 5.2. Global Natural Graphite Market by Applications in 2015
- 5.3. Global Natural Graphite Market Trend and Forecast by Applications (US\$ Million)
- 5.4. Global Natural Graphite Market Trend and Forecast by Applications (Million lbs)
- 5.5. Growth Magnitude of the Global Natural Graphite Market by Applications
- 5.6. Refractory: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 5.7. Foundry: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 5.8. Battery: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 5.9. Lubricants: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 5.10. Frictional Products: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 5.11. Pencil: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

5.12. Parts and & Components: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

5.13. Others: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

6. GLOBAL NATURAL GRAPHITE MARKET – BY END USE INDUSTRY

6.1. Strategic Insights

6.2. Global Natural Graphite Market by End Use Industry in 2015

6.3. Global Natural Graphite Market Trend and Forecast by End Use Industry (US\$ Million)

6.4. Global Natural Graphite Market Trend and Forecast by End Use Industry (Million lbs)

6.5. Growth Magnitude of the Global Natural Graphite Market by End Use Industry

6.6. Metal Industry: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

6.7. Aerospace & Defense: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

6.8. Automotive: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

6.9. Industrial: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

6.10. Others: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

7. GLOBAL NATURAL GRAPHITE MARKET – BY SALES CHANNEL

7.1. Strategic Insights

7.2. Global Natural Graphite Market by Sales Channel in 2015

7.3. Global Natural Graphite Market Trend and Forecast by Sales Channel (US\$ Million)

7.4. Global Natural Graphite Market Trend and Forecast by Sales Channel (Million lbs)

7.5. Growth Magnitude of the Global Natural Graphite Market by Sales Channel

7.6. Direct Sales: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

7.7. Distributors: Global Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

8. GLOBAL NATURAL GRAPHITE MARKET – BY REGION

- 8.1. Strategic Insights
- 8.2. Global Natural Graphite Market by Region in 2015
- 8.3. Global Natural Graphite Market Trend and Forecast by Region (US\$ Million)
- 8.4. Global Natural Graphite Market Trend and Forecast by Region (Million lbs)
- 8.5. Growth Magnitude of the Global Natural Graphite Market by Region
- 8.6. North America: Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 8.7. Europe: Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 8.8. Asia – Pacific: Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)
- 8.9. Rest of the World: Natural Graphite Market Trend and Forecast (US\$ Million and Million lbs)

9. COMPETITIVE ANALYSIS

- 9.1. Strategic Insights
- 9.2. Product Portfolio Analysis
- 9.3. Presence by Applications
- 9.4. Production Capacity of Key Players
- 9.5. Geographical Presence
- 9.6. New Product Launches
- 9.7. Mergers and Acquisitions
- 9.8. Market Share Analysis

10. STRATEGIC GROWTH OPPORTUNITIES

- 10.1. Strategic Insights
- 10.2. Market Attractive Analysis
 - 10.2.1. Market Attractiveness by Form
 - 10.2.2. Market Attractiveness by Applications
 - 10.2.3. Market Attractiveness by End Use Industry
 - 10.2.4. Market Attractiveness by Sales Channel
 - 10.2.5. Market Attractiveness by Region
- 10.3. Emerging Trends
- 10.4. Key Success Factors
- 10.5. Growth Matrix Analysis

11. COMPANY PROFILE OF KEY PLAYERS

- 11.1. Agrawal Graphite Industries (AGI)
- 11.2. Asbury Graphite Mills, Inc
- 11.3. Eagle Graphite
- 11.4. Extrativa Metalqu?mica
- 11.5. Focus Graphite
- 11.6. Grafito Superior Sonora
- 11.7. Graphite India
- 11.8. China Graphite
- 11.9. Changzhou Timcal Graphite
- 11.10. Heilongjiang Aoyu Energy
- 11.11. Hubei Hengda Graphite Shareholding
- 11.12. Hunan Chenzhou Lutang Crystallitic Graphite & Carbon
- 11.13. iCarbon
- 11.14. Jixi Liumao Graphite Resources
- 11.15. Nacional de Grafite
- 11.16. Qingdao Haida Graphite
- 11.17. South Graphite
- 11.18. Timcal Canada

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