

Global Foundry Sand Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

Foundry sand plays a crucial role in the metal casting industry as a molding material for creating metal castings. It is a high-quality silica sand mixed with clay and other materials to form molds for metal casting processes. The market for foundry sand is positioned within the broader industrial minerals sector, catering primarily to the metal casting industry.

The current market size for foundry sand in 2023 is estimated at approximately USD 420 million. Looking ahead, the market is projected to grow at a Compound Annual Growth Rate (CAGR) of 3.75% from 2024 to 2032. This growth can be attributed to several key drivers and market forces shaping the industry landscape.

One of the primary growth drivers for the foundry sand market is the increasing demand for metal castings across various end-use industries such as automotive, aerospace, construction, and machinery. The rise in infrastructure development projects globally is fueling the demand for metal castings, thereby driving the need for foundry sand.

Moreover, stringent environmental regulations are pushing foundries to adopt sustainable practices, leading to the increased use of recycled foundry sand. This trend not only addresses environmental concerns but also reduces costs for foundries, further propelling market growth.

Additionally, technological advancements in sand reclamation processes are enhancing the efficiency and quality of foundry sand, making it more attractive for use in metal casting applications. These advancements contribute to cost savings and improved

sustainability, driving market expansion.

In terms of regional market distribution, key markets for foundry sand include North America, Europe, Asia Pacific, and Latin America. North America and Europe lead the market due to the presence of established metal casting industries and stringent environmental regulations driving the adoption of sustainable practices.

Asia Pacific is a rapidly growing market for foundry sand, fueled by the booming manufacturing sector in countries like China and India. The increasing industrial activities and infrastructure development projects in the region are driving the demand for metal castings, thus boosting the market for foundry sand.

Despite the positive outlook, the foundry sand market faces challenges such as fluctuating raw material prices, regulatory constraints, and the availability of alternative molding materials. Finding innovative solutions to address these challenges will be crucial for sustaining growth in the market.

In conclusion, the foundry sand market is poised for steady growth driven by increasing demand for metal castings, adoption of sustainable practices, and technological advancements in sand reclamation processes. Understanding regional dynamics and overcoming key challenges will be essential for industry players to capitalize on emerging opportunities in the market.

This report provides a deep insight into the global Foundry Sand market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Foundry Sand Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are

planning to foray into the Foundry Sand market in any manner.

Global Foundry Sand Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Nugent Sand

Chemours Minerals

Astra Chemicals

Chongqing Changjiang Moulding Material

Itochu Cerasech

CARBO Ceramics

Itochu Cerasech

Kailin Foundry

Jingang New Materials

Sanmenxia Qiangxin

Henan Jinnaiyuan

CMP Group

Market Segmentation (by Type)

Green Sand (Clay Sand)

Water Glass Sand (Sodium Silicate Sand)

Resin Sand (Phenolic, Furan)

Market Segmentation (by Application)

Resin-coated Sand

Cold Core Box Process

Nobake Process

Lost-foam Casting Process

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 Foundry Sand Market

Overview of the regional outlook of the Foundry Sand Market:

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 (USD Billion) 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.

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 Foundry Sand 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 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 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

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