

Global Dry Ramming Mass Market Size Study & Forecast, by Type (Alumina ramming mass, Silica ramming mass, Magnesia based ramming mass, Others), by Function (Lining, Repairing, Patching, Others), by Application (Foundries, Blast furnace, Electric arc furnace, Steel, Non steel, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Dry Ramming Mass Market is valued at approximately USD 2.15 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6.8% during the forecast period 2023-2030. Dry ramming mass is a flexible and pre-mixed refractory material that is widely used in a variety of sectors, such as steelmaking, power generation, cement manufacture, and petrochemical production. It is designed to withstand extremely high temperatures encountered in steelmaking processes to construct furnaces, ladles, boilers, containment vessels, and other essential equipment. The ongoing urbanization and industrialization trend, surge in infrastructure development projects, and growing investments in the steel and metal industries are the key driving factors for the market demand during the estimated period.

Additionally, the rapid growth of the steel industry is exhibiting a positive influence on the market growth across the globe. According to the World Steel Association AISBL, in 2021, it was estimated that the crude steel production globally was accounted for 1,951 million tons, which is an increase from 1,879 million tons in 2020. The robust expansion of the steel industry, driven by increasing construction and infrastructure projects globally, fuels the demand for dry ramming mass. This material is essential for lining furnaces and other steelmaking equipment. For instance, the Indian government unveiled a comprehensive National Infrastructure Pipeline (NIP) with an investment



commitment of INR 111 lakh crore (USD 1.5 trillion) for the fiscal years 2019-2025. Originally planned for 6,835 projects, the portfolio expanded to 7,400 by the end of 2021, encompassing diverse sectors such as roads, housing, urban development, railroads, renewable energy, conventional power, and irrigation. Also, in the Philippines, the government pursued an infrastructure-centric economic revival in 2021, allocating USD 6.5 billion from the national budget to the Department of Public Works and Highways. This funding was dedicated to bridge construction, flood management, asset preservation, and the development of transportation networks, reflecting a strategic emphasis on infrastructure initiatives for economic recovery. Thus, these aforementioned factors are propelling the growth of the Dry Ramming Mass Market at a substantial rate. Moreover, the growing investment in technological advancements, as well as increasing focus on cost and operational efficiency across end-user industries present various lucrative opportunities over the forecast years. However, the high initial investment and limited availability of raw materials, along with stringent environmental regulations are hindering the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Dry Ramming Mass Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the widespread application of dry ramming mass across diverse industries. The increasing need for refractory linings with enhanced energy efficiency has driven the formulation of dry ramming mass, witnessing improved thermal conductivity and insulation properties. This advancement aids in curtailling energy consumption during industrial processes, contributing to the growing demand for such refractory solutions. Whereas, Asia Pacific is also expected to grow at the highest CAGR over the forecast years. The expansion of key industries such as steel, non-ferrous metals, and foundries in nations such as China, India, Japan, and South Korea has resulted in a growing requirement for refractory materials, specifically dry ramming mass. China is the world's largest steel producer, and the substantial output in its steel industry significantly propels the demand for dry ramming mass, offering the industry's substantial reliance on refractories, which propels the market demand across the region.

Major market players included in this report are:

Saint-Gobain (France)

Dense Refractories Co., Ltd. (China)



Imperial World Trade Private Limited (India)

Vishva Vishal Refractory Limited (India)

Refcast Corporation (India)

Henan Xinmi Changxing Refractory Material Co., Ltd. (China)

Casco Specialty Products, Inc. (US)

Gita Refractories Private Limited (India)

Shenghe Refractories (China)

RHI Magnesita N.V. (Austria)

Recent Developments in the Market:

In 2022, Saint-Gobain, a prominent global provider of building materials and construction solutions, revealed a partnership with Imerys to advance next-generation refractory materials, specifically dry ramming mass, catering to the steelmaking sector. The partnership aims to leverage the combined expertise of both entities to pioneer innovative and sustainable refractory solutions for the industry.

In 2022, Imerys, a leading global provider of mineral-based solutions, completed the acquisition of Kerneos, a French company specializing in refractory products, including dry ramming mass. This strategic move bolstered Imerys' standing in the refractory market, enhancing its product portfolio by incorporating a broader selection of dry ramming mass solutions.

In 2020, Harbison-Walker International, a prominent global supplier of refractory products, merged with Morando, an Italian manufacturer specializing in refractory materials, including dry ramming mass. This merger established a formidable global presence in the refractory industry, particularly strengthening its position in the European market. Additionally, it broadened its offerings to encompass a more extensive array of dry ramming mass solutions.



Global Dry Ramming Mass Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Function, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Alumina ramming mass

Silica ramming mass

Magnesia based ramming mass

Global Dry Ramming Mass Market Size Study & Forecast, by Type (Alumina ramming mass, Silica ramming mass, Magn...



UK

Others		
By Function:		
Lining		
Repairing		
Patching		
Others		
By Application:		
Foundries		
Blast furnace		
Electric arc furnace		
Steel		
Non steel		
Others		
By Region:		
North America		
U.S.		
Canada		
Europe		



Germany		
France		
Spain		
Italy		
ROE		
Asia Pacific		
China		
India		
Japan		
Australia		
South Korea		
RoAPAC		
Latin America		
Brazil		
Mexico		
Middle East & Africa		
Saudi Arabia		
South Africa		
Rest of Middle East & Africa		



Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Dry Ramming Mass Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Dry Ramming Mass Market, by Type, 2020-2030 (USD Billion)
 - 1.2.3. Dry Ramming Mass Market, by Function, 2020-2030 (USD Billion)
 - 1.2.4. Dry Ramming Mass Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL DRY RAMMING MASS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL DRY RAMMING MASS MARKET DYNAMICS

- 3.1. Dry Ramming Mass Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Surge in infrastructure development projects
 - 3.1.1.2. Rapid growth of the steel industry
 - 3.1.2. Market Challenges
 - 3.1.2.1. High initial investment and limited availability of raw materials
 - 3.1.2.2. Stringent environmental regulations
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing investment in technological advancements
- 3.1.3.2. Increasing focus on cost and operational efficiency across end-user industries

CHAPTER 4. GLOBAL DRY RAMMING MASS MARKET INDUSTRY ANALYSIS



- 4.1. Porter's 5 Force Model
- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL DRY RAMMING MASS MARKET, BY TYPE

- 5.1. Market Snapshot
- 5.2. Global Dry Ramming Mass Market by Type, Performance Potential Analysis
- 5.3. Global Dry Ramming Mass Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Dry Ramming Mass Market, Sub Segment Analysis
 - 5.4.1. Alumina ramming mass
 - 5.4.2. Silica ramming mass
 - 5.4.3. Magnesia based ramming mass
 - 5.4.4. Others

CHAPTER 6. GLOBAL DRY RAMMING MASS MARKET, BY FUNCTION

- 6.1. Market Snapshot
- 6.2. Global Dry Ramming Mass Market by Function, Performance Potential Analysis
- 6.3. Global Dry Ramming Mass Market Estimates & Forecasts by Function 2020-2030 (USD Billion)



- 6.4. Dry Ramming Mass Market, Sub Segment Analysis
 - 6.4.1. Lining
 - 6.4.2. Repairing
 - 6.4.3. Patching
 - 6.4.4. Others

CHAPTER 7. GLOBAL DRY RAMMING MASS MARKET, BY APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Dry Ramming Mass Market by Application, Performance Potential Analysis
- 7.3. Global Dry Ramming Mass Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 7.4. Dry Ramming Mass Market, Sub Segment Analysis
 - 7.4.1. Foundries
 - 7.4.2. Blast furnace
 - 7.4.3. Electric arc furnace
 - 7.4.4. Steel
 - 7.4.5. Non steel
 - 7.4.6. Others

CHAPTER 8. GLOBAL DRY RAMMING MASS MARKET, REGIONAL ANALYSIS

- 8.1. Top Leading Countries
- 8.2. Top Emerging Countries
- 8.3. Dry Ramming Mass Market, Regional Market Snapshot
- 8.4. North America Dry Ramming Mass Market
 - 8.4.1. U.S. Dry Ramming Mass Market
 - 8.4.1.1. Type breakdown estimates & forecasts, 2020-2030
 - 8.4.1.2. Function breakdown estimates & forecasts, 2020-2030
 - 8.4.1.3. Application breakdown estimates & forecasts, 2020-2030
 - 8.4.2. Canada Dry Ramming Mass Market
- 8.5. Europe Dry Ramming Mass Market Snapshot
 - 8.5.1. U.K. Dry Ramming Mass Market
 - 8.5.2. Germany Dry Ramming Mass Market
 - 8.5.3. France Dry Ramming Mass Market
 - 8.5.4. Spain Dry Ramming Mass Market
 - 8.5.5. Italy Dry Ramming Mass Market
- 8.5.6. Rest of Europe Dry Ramming Mass Market
- 8.6. Asia-Pacific Dry Ramming Mass Market Snapshot



- 8.6.1. China Dry Ramming Mass Market
- 8.6.2. India Dry Ramming Mass Market
- 8.6.3. Japan Dry Ramming Mass Market
- 8.6.4. Australia Dry Ramming Mass Market
- 8.6.5. South Korea Dry Ramming Mass Market
- 8.6.6. Rest of Asia Pacific Dry Ramming Mass Market
- 8.7. Latin America Dry Ramming Mass Market Snapshot
 - 8.7.1. Brazil Dry Ramming Mass Market
 - 8.7.2. Mexico Dry Ramming Mass Market
- 8.8. Middle East & Africa Dry Ramming Mass Market
 - 8.8.1. Saudi Arabia Dry Ramming Mass Market
 - 8.8.2. South Africa Dry Ramming Mass Market
 - 8.8.3. Rest of Middle East & Africa Dry Ramming Mass Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Saint-Gobain (France)
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. Dense Refractories Co., Ltd. (China)
 - 9.3.3. Imperial World Trade Private Limited (India)
 - 9.3.4. Vishva Vishal Refractory Limited (India)
 - 9.3.5. Refcast Corporation (India)
 - 9.3.6. Henan Xinmi Changxing Refractory Material Co., Ltd. (China)
 - 9.3.7. Casco Specialty Products, Inc. (US)
 - 9.3.8. Gita Refractories Private Limited (India)
 - 9.3.9. Shenghe Refractories (China)
 - 9.3.10. RHI Magnesita N.V. (Austria)

CHAPTER 10. RESEARCH PROCESS



- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
- 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



List Of Tables

LIST OF TABLES

- TABLE 1. Global Dry Ramming Mass Market, report scope
- TABLE 2. Global Dry Ramming Mass Market estimates & forecasts by Region 2020-2030 (USD Billion)
- TABLE 3. Global Dry Ramming Mass Market estimates & forecasts by Type 2020-2030 (USD Billion)
- TABLE 4. Global Dry Ramming Mass Market estimates & forecasts by Function 2020-2030 (USD Billion)
- TABLE 5. Global Dry Ramming Mass Market estimates & forecasts by Application 2020-2030 (USD Billion)
- TABLE 6. Global Dry Ramming Mass Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 7. Global Dry Ramming Mass Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 8. Global Dry Ramming Mass Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 9. Global Dry Ramming Mass Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 10. Global Dry Ramming Mass Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 11. Global Dry Ramming Mass Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 12. Global Dry Ramming Mass Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 13. Global Dry Ramming Mass Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 14. Global Dry Ramming Mass Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 15. Global Dry Ramming Mass Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 16. U.S. Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 17. U.S. Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 18. U.S. Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)



- TABLE 19. Canada Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 20. Canada Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 21. Canada Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 22. UK Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 23. UK Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 24. UK Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 25. Germany Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 26. Germany Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 27. Germany Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 28. France Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 29. France Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 30. France Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 31. Italy Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 32. Italy Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 33. Italy Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 34. Spain Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 35. Spain Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 36. Spain Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 37. RoE Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 38. RoE Dry Ramming Mass Market estimates & forecasts by segment



- 2020-2030 (USD Billion)
- TABLE 39. RoE Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 40. China Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 41. China Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 42. China Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 43. India Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 44. India Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 45. India Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 46. Japan Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 47. Japan Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 48. Japan Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 49. South Korea Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 50. South Korea Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 51. South Korea Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 52. Australia Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 53. Australia Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 54. Australia Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 55. RoAPAC Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 56. RoAPAC Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 57. RoAPAC Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)



- TABLE 58. Brazil Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 59. Brazil Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 60. Brazil Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 61. Mexico Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 62. Mexico Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 63. Mexico Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 64. RoLA Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 65. RoLA Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 66. RoLA Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 67. Saudi Arabia Dry Ramming Mass Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 68. South Africa Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 69. RoMEA Dry Ramming Mass Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 70. List of secondary sources, used in the study of global Dry Ramming Mass Market
- TABLE 71. List of primary sources, used in the study of global Dry Ramming Mass Market
- TABLE 72. Years considered for the study
- TABLE 73. Exchange rates considered
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable



List Of Figures

LIST OF FIGURES

- FIG 1. Global Dry Ramming Mass Market, research methodology
- FIG 2. Global Dry Ramming Mass Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Dry Ramming Mass Market, key trends 2022
- FIG 5. Global Dry Ramming Mass Market, growth prospects 2023-2030
- FIG 6. Global Dry Ramming Mass Market, porters 5 force model
- FIG 7. Global Dry Ramming Mass Market, pest analysis
- FIG 8. Global Dry Ramming Mass Market, value chain analysis
- FIG 9. Global Dry Ramming Mass Market by segment, 2020 & 2030 (USD Billion)
- FIG 10. Global Dry Ramming Mass Market by segment, 2020 & 2030 (USD Billion)
- FIG 11. Global Dry Ramming Mass Market by segment, 2020 & 2030 (USD Billion)
- FIG 12. Global Dry Ramming Mass Market by segment, 2020 & 2030 (USD Billion)
- FIG 13. Global Dry Ramming Mass Market by segment, 2020 & 2030 (USD Billion)
- FIG 14. Global Dry Ramming Mass Market, regional snapshot 2020 & 2030
- FIG 15. North America Dry Ramming Mass Market 2020 & 2030 (USD Billion)
- FIG 16. Europe Dry Ramming Mass Market 2020 & 2030 (USD Billion)
- FIG 17. Asia pacific Dry Ramming Mass Market 2020 & 2030 (USD Billion)
- FIG 18. Latin America Dry Ramming Mass Market 2020 & 2030 (USD Billion)
- FIG 19. Middle East & Africa Dry Ramming Mass Market 2020 & 2030 (USD Billion)

List of tables and figures and dummy in nature, final lists may vary in the final deliverable



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