

Global Metal Based Solid Hydrogen Storage Material Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G3436EF13A2FEN.html>

Date: January 2026

Pages: 107

Price: US\$ 3,480.00 (Single User License)

ID: G3436EF13A2FEN

Abstracts

According to our (Global Info Research) latest study, the global Metal Based Solid Hydrogen Storage Material market size was valued at US\$ 286 million in 2025 and is forecast to a readjusted size of US\$ 513 million by 2032 with a CAGR of 4.0% during review period.

Metal-based solid-state hydrogen storage materials include magnesium-based, rare earth, titanium-based, and palladium-based. The hydrogen storage pressure is low, the safety is good, the hydrogen release purity is high, and the volume hydrogen storage density is higher than that of liquid hydrogen.

The average gross profit margin in this industry is 10%.

Key Drivers:

The Clean Energy Transition: The global push towards decarbonization, particularly in hard-to-abate sectors like heavy transport and industry, is the foremost driver. Hydrogen is a key zero-carbon energy carrier, and efficient storage is its biggest bottleneck. Solid materials promise higher volumetric density than high-pressure tanks, enabling longer range for fuel cell vehicles and more practical stationary storage.

Safety and Pressure Advantages: Storing hydrogen in solid form dramatically reduces the need for extremely high pressures (700 bar) or cryogenic temperatures (-253°C). This enhances safety by minimizing rupture risks and eliminates the energy penalty of liquefaction. It enables compact, conformable tanks, attractive for automotive, maritime, and aerospace applications.

Government Policies and Funding: National hydrogen strategies (EU, US, Japan, China) are funneling billions into R&D and demonstration projects. This public funding de-risks early-stage technology development, incentivizes private sector investment, and creates a pipeline for pilot projects using solid storage solutions.

This report is a detailed and comprehensive analysis for global Metal Based Solid Hydrogen Storage Material market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Metal Based Solid Hydrogen Storage Material market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Metal Based Solid Hydrogen Storage Material market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Metal Based Solid Hydrogen Storage Material market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Metal Based Solid Hydrogen Storage Material market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Metal Based Solid Hydrogen Storage Material

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Metal Based Solid Hydrogen Storage Material market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Santoku, American Elements, Nippon Denko, Mitsui-Kinzoku, Japan Metals & Chemicals, XTC New Energy, Jiangxi Tungsten Holding, China Northern Rare Earth, Baotou FDK, Shenjiang Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Metal Based Solid Hydrogen Storage Material market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

AB5 Type

AB2 Type

AB Type

A2B Type

Others

Market segment by Product Form

Powder

Block

Market segment by Marketing Method

Direct Sales

Distribution

Market segment by Application

Energy Storage

Battery

Major players covered

Santoku

American Elements

Nippon Denko

Mitsui-Kinzoku

Japan Metals & Chemicals

XTC New Energy

Jiangxi Tungsten Holding

China Northern Rare Earth

Baotou FDK

Shenjiang Technology

Whole Win

AE&M JITRI

Zhongke Xuanda New Energy

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Metal Based Solid Hydrogen Storage Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Metal Based Solid Hydrogen Storage Material, with price, sales quantity, revenue, and global market share of Metal Based Solid Hydrogen Storage Material from 2021 to 2026.

Chapter 3, the Metal Based Solid Hydrogen Storage Material competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metal Based Solid Hydrogen Storage Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Metal Based Solid Hydrogen Storage Material market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Metal Based Solid Hydrogen Storage Material.

Chapter 14 and 15, to describe Metal Based Solid Hydrogen Storage Material sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Metal Based Solid Hydrogen Storage Material Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 AB5 Type

1.3.3 AB2 Type

1.3.4 AB Type

1.3.5 A2B Type

1.3.6 Others

1.4 Market Analysis by Product Form

1.4.1 Overview: Global Metal Based Solid Hydrogen Storage Material Consumption Value by Product Form: 2021 Versus 2025 Versus 2032

1.4.2 Powder

1.4.3 Block

1.5 Market Analysis by Marketing Method

1.5.1 Overview: Global Metal Based Solid Hydrogen Storage Material Consumption Value by Marketing Method: 2021 Versus 2025 Versus 2032

1.5.2 Direct Sales

1.5.3 Distribution

1.6 Market Analysis by Application

1.6.1 Overview: Global Metal Based Solid Hydrogen Storage Material Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Energy Storage

1.6.3 Battery

1.7 Global Metal Based Solid Hydrogen Storage Material Market Size & Forecast

1.7.1 Global Metal Based Solid Hydrogen Storage Material Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Metal Based Solid Hydrogen Storage Material Sales Quantity (2021-2032)

1.7.3 Global Metal Based Solid Hydrogen Storage Material Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Santoku

- 2.1.1 Santoku Details
- 2.1.2 Santoku Major Business
- 2.1.3 Santoku Metal Based Solid Hydrogen Storage Material Product and Services
- 2.1.4 Santoku Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Santoku Recent Developments/Updates
- 2.2 American Elements
 - 2.2.1 American Elements Details
 - 2.2.2 American Elements Major Business
 - 2.2.3 American Elements Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.2.4 American Elements Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 American Elements Recent Developments/Updates
- 2.3 Nippon Denko
 - 2.3.1 Nippon Denko Details
 - 2.3.2 Nippon Denko Major Business
 - 2.3.3 Nippon Denko Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.3.4 Nippon Denko Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Nippon Denko Recent Developments/Updates
- 2.4 Mitsui-Kinzoku
 - 2.4.1 Mitsui-Kinzoku Details
 - 2.4.2 Mitsui-Kinzoku Major Business
 - 2.4.3 Mitsui-Kinzoku Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.4.4 Mitsui-Kinzoku Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Mitsui-Kinzoku Recent Developments/Updates
- 2.5 Japan Metals & Chemicals
 - 2.5.1 Japan Metals & Chemicals Details
 - 2.5.2 Japan Metals & Chemicals Major Business
 - 2.5.3 Japan Metals & Chemicals Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.5.4 Japan Metals & Chemicals Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Japan Metals & Chemicals Recent Developments/Updates
- 2.6 XTC New Energy

- 2.6.1 XTC New Energy Details
- 2.6.2 XTC New Energy Major Business
- 2.6.3 XTC New Energy Metal Based Solid Hydrogen Storage Material Product and Services
- 2.6.4 XTC New Energy Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 XTC New Energy Recent Developments/Updates
- 2.7 Jiangxi Tungsten Holding
 - 2.7.1 Jiangxi Tungsten Holding Details
 - 2.7.2 Jiangxi Tungsten Holding Major Business
 - 2.7.3 Jiangxi Tungsten Holding Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.7.4 Jiangxi Tungsten Holding Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 Jiangxi Tungsten Holding Recent Developments/Updates
- 2.8 China Northern Rare Earth
 - 2.8.1 China Northern Rare Earth Details
 - 2.8.2 China Northern Rare Earth Major Business
 - 2.8.3 China Northern Rare Earth Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.8.4 China Northern Rare Earth Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 China Northern Rare Earth Recent Developments/Updates
- 2.9 Baotou FDK
 - 2.9.1 Baotou FDK Details
 - 2.9.2 Baotou FDK Major Business
 - 2.9.3 Baotou FDK Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.9.4 Baotou FDK Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Baotou FDK Recent Developments/Updates
- 2.10 Shenjiang Technology
 - 2.10.1 Shenjiang Technology Details
 - 2.10.2 Shenjiang Technology Major Business
 - 2.10.3 Shenjiang Technology Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.10.4 Shenjiang Technology Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Shenjiang Technology Recent Developments/Updates
- 2.11 Whole Win

- 2.11.1 Whole Win Details
- 2.11.2 Whole Win Major Business
- 2.11.3 Whole Win Metal Based Solid Hydrogen Storage Material Product and Services
- 2.11.4 Whole Win Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.11.5 Whole Win Recent Developments/Updates
- 2.12 AE&M JITRI
 - 2.12.1 AE&M JITRI Details
 - 2.12.2 AE&M JITRI Major Business
 - 2.12.3 AE&M JITRI Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.12.4 AE&M JITRI Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.12.5 AE&M JITRI Recent Developments/Updates
- 2.13 Zhongke Xuanda New Energy
 - 2.13.1 Zhongke Xuanda New Energy Details
 - 2.13.2 Zhongke Xuanda New Energy Major Business
 - 2.13.3 Zhongke Xuanda New Energy Metal Based Solid Hydrogen Storage Material Product and Services
 - 2.13.4 Zhongke Xuanda New Energy Metal Based Solid Hydrogen Storage Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Zhongke Xuanda New Energy Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: METAL BASED SOLID HYDROGEN STORAGE MATERIAL BY MANUFACTURER

- 3.1 Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Metal Based Solid Hydrogen Storage Material Revenue by Manufacturer (2021-2026)
- 3.3 Global Metal Based Solid Hydrogen Storage Material Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Metal Based Solid Hydrogen Storage Material by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Metal Based Solid Hydrogen Storage Material Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Metal Based Solid Hydrogen Storage Material Manufacturer Market Share in 2025

3.5 Metal Based Solid Hydrogen Storage Material Market: Overall Company Footprint Analysis

3.5.1 Metal Based Solid Hydrogen Storage Material Market: Region Footprint

3.5.2 Metal Based Solid Hydrogen Storage Material Market: Company Product Type Footprint

3.5.3 Metal Based Solid Hydrogen Storage Material Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Metal Based Solid Hydrogen Storage Material Market Size by Region

4.1.1 Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Region (2021-2032)

4.1.2 Global Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2021-2032)

4.1.3 Global Metal Based Solid Hydrogen Storage Material Average Price by Region (2021-2032)

4.2 North America Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032)

4.3 Europe Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032)

4.4 Asia-Pacific Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032)

4.5 South America Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032)

4.6 Middle East & Africa Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2032)

5.2 Global Metal Based Solid Hydrogen Storage Material Consumption Value by Type (2021-2032)

5.3 Global Metal Based Solid Hydrogen Storage Material Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2032)

6.2 Global Metal Based Solid Hydrogen Storage Material Consumption Value by Application (2021-2032)

6.3 Global Metal Based Solid Hydrogen Storage Material Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2032)

7.2 North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2032)

7.3 North America Metal Based Solid Hydrogen Storage Material Market Size by Country

7.3.1 North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2032)

7.3.2 North America Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2032)

8.2 Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2032)

8.3 Europe Metal Based Solid Hydrogen Storage Material Market Size by Country

8.3.1 Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2032)

8.3.2 Europe Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Metal Based Solid Hydrogen Storage Material Market Size by Region

9.3.1 Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2032)

10.2 South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2032)

10.3 South America Metal Based Solid Hydrogen Storage Material Market Size by Country

10.3.1 South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2032)

10.3.2 South America Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity

by Type (2021-2032)

11.2 Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Metal Based Solid Hydrogen Storage Material Market Size by Country

11.3.1 Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Metal Based Solid Hydrogen Storage Material Market Drivers

12.2 Metal Based Solid Hydrogen Storage Material Market Restraints

12.3 Metal Based Solid Hydrogen Storage Material Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Metal Based Solid Hydrogen Storage Material and Key Manufacturers

13.2 Manufacturing Costs Percentage of Metal Based Solid Hydrogen Storage Material

13.3 Metal Based Solid Hydrogen Storage Material Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Metal Based Solid Hydrogen Storage Material Typical Distributors

14.3 Metal Based Solid Hydrogen Storage Material Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Product Form, (USD Million), 2021 & 2025 & 2032

Table 3. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Marketing Method, (USD Million), 2021 & 2025 & 2032

Table 4. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Santoku Basic Information, Manufacturing Base and Competitors

Table 6. Santoku Major Business

Table 7. Santoku Metal Based Solid Hydrogen Storage Material Product and Services

Table 8. Santoku Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Santoku Recent Developments/Updates

Table 10. American Elements Basic Information, Manufacturing Base and Competitors

Table 11. American Elements Major Business

Table 12. American Elements Metal Based Solid Hydrogen Storage Material Product and Services

Table 13. American Elements Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. American Elements Recent Developments/Updates

Table 15. Nippon Denko Basic Information, Manufacturing Base and Competitors

Table 16. Nippon Denko Major Business

Table 17. Nippon Denko Metal Based Solid Hydrogen Storage Material Product and Services

Table 18. Nippon Denko Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Nippon Denko Recent Developments/Updates

Table 20. Mitsui-Kinzoku Basic Information, Manufacturing Base and Competitors

Table 21. Mitsui-Kinzoku Major Business

Table 22. Mitsui-Kinzoku Metal Based Solid Hydrogen Storage Material Product and Services

Table 23. Mitsui-Kinzoku Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Mitsui-Kinzoku Recent Developments/Updates

Table 25. Japan Metals & Chemicals Basic Information, Manufacturing Base and Competitors

Table 26. Japan Metals & Chemicals Major Business

Table 27. Japan Metals & Chemicals Metal Based Solid Hydrogen Storage Material Product and Services

Table 28. Japan Metals & Chemicals Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Japan Metals & Chemicals Recent Developments/Updates

Table 30. XTC New Energy Basic Information, Manufacturing Base and Competitors

Table 31. XTC New Energy Major Business

Table 32. XTC New Energy Metal Based Solid Hydrogen Storage Material Product and Services

Table 33. XTC New Energy Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. XTC New Energy Recent Developments/Updates

Table 35. Jiangxi Tungsten Holding Basic Information, Manufacturing Base and Competitors

Table 36. Jiangxi Tungsten Holding Major Business

Table 37. Jiangxi Tungsten Holding Metal Based Solid Hydrogen Storage Material Product and Services

Table 38. Jiangxi Tungsten Holding Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Jiangxi Tungsten Holding Recent Developments/Updates

Table 40. China Northern Rare Earth Basic Information, Manufacturing Base and Competitors

Table 41. China Northern Rare Earth Major Business

Table 42. China Northern Rare Earth Metal Based Solid Hydrogen Storage Material Product and Services

Table 43. China Northern Rare Earth Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. China Northern Rare Earth Recent Developments/Updates

Table 45. Baotou FDK Basic Information, Manufacturing Base and Competitors

Table 46. Baotou FDK Major Business

Table 47. Baotou FDK Metal Based Solid Hydrogen Storage Material Product and Services

Table 48. Baotou FDK Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Baotou FDK Recent Developments/Updates

Table 50. Shenjiang Technology Basic Information, Manufacturing Base and Competitors

Table 51. Shenjiang Technology Major Business

Table 52. Shenjiang Technology Metal Based Solid Hydrogen Storage Material Product and Services

Table 53. Shenjiang Technology Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Shenjiang Technology Recent Developments/Updates

Table 55. Whole Win Basic Information, Manufacturing Base and Competitors

Table 56. Whole Win Major Business

Table 57. Whole Win Metal Based Solid Hydrogen Storage Material Product and Services

Table 58. Whole Win Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Whole Win Recent Developments/Updates

Table 60. AE&M JITRI Basic Information, Manufacturing Base and Competitors

Table 61. AE&M JITRI Major Business

Table 62. AE&M JITRI Metal Based Solid Hydrogen Storage Material Product and Services

Table 63. AE&M JITRI Metal Based Solid Hydrogen Storage Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. AE&M JITRI Recent Developments/Updates

Table 65. Zhongke Xuanda New Energy Basic Information, Manufacturing Base and Competitors

Table 66. Zhongke Xuanda New Energy Major Business

Table 67. Zhongke Xuanda New Energy Metal Based Solid Hydrogen Storage Material Product and Services

Table 68. Zhongke Xuanda New Energy Metal Based Solid Hydrogen Storage Material

Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. Zhongke Xuanda New Energy Recent Developments/Updates

Table 70. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Manufacturer (2021-2026) & (Tons)

Table 71. Global Metal Based Solid Hydrogen Storage Material Revenue by Manufacturer (2021-2026) & (USD Million)

Table 72. Global Metal Based Solid Hydrogen Storage Material Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 73. Market Position of Manufacturers in Metal Based Solid Hydrogen Storage Material, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 74. Head Office and Metal Based Solid Hydrogen Storage Material Production Site of Key Manufacturer

Table 75. Metal Based Solid Hydrogen Storage Material Market: Company Product Type Footprint

Table 76. Metal Based Solid Hydrogen Storage Material Market: Company Product Application Footprint

Table 77. Metal Based Solid Hydrogen Storage Material New Market Entrants and Barriers to Market Entry

Table 78. Metal Based Solid Hydrogen Storage Material Mergers, Acquisition, Agreements, and Collaborations

Table 79. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 80. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Region (2021-2026) & (Tons)

Table 81. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Region (2027-2032) & (Tons)

Table 82. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2021-2026) & (USD Million)

Table 83. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2027-2032) & (USD Million)

Table 84. Global Metal Based Solid Hydrogen Storage Material Average Price by Region (2021-2026) & (US\$/Ton)

Table 85. Global Metal Based Solid Hydrogen Storage Material Average Price by Region (2027-2032) & (US\$/Ton)

Table 86. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2026) & (Tons)

Table 87. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2027-2032) & (Tons)

Table 88. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Type (2021-2026) & (USD Million)

Table 89. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Type (2027-2032) & (USD Million)

Table 90. Global Metal Based Solid Hydrogen Storage Material Average Price by Type (2021-2026) & (US\$/Ton)

Table 91. Global Metal Based Solid Hydrogen Storage Material Average Price by Type (2027-2032) & (US\$/Ton)

Table 92. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2026) & (Tons)

Table 93. Global Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2027-2032) & (Tons)

Table 94. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Application (2021-2026) & (USD Million)

Table 95. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Application (2027-2032) & (USD Million)

Table 96. Global Metal Based Solid Hydrogen Storage Material Average Price by Application (2021-2026) & (US\$/Ton)

Table 97. Global Metal Based Solid Hydrogen Storage Material Average Price by Application (2027-2032) & (US\$/Ton)

Table 98. North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2026) & (Tons)

Table 99. North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2027-2032) & (Tons)

Table 100. North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2026) & (Tons)

Table 101. North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2027-2032) & (Tons)

Table 102. North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2026) & (Tons)

Table 103. North America Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2027-2032) & (Tons)

Table 104. North America Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2026) & (USD Million)

Table 105. North America Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2027-2032) & (USD Million)

Table 106. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2026) & (Tons)

Table 107. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by

Type (2027-2032) & (Tons)

Table 108. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2026) & (Tons)

Table 109. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2027-2032) & (Tons)

Table 110. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2026) & (Tons)

Table 111. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2027-2032) & (Tons)

Table 112. Europe Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2026) & (USD Million)

Table 113. Europe Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2027-2032) & (USD Million)

Table 114. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2026) & (Tons)

Table 115. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2027-2032) & (Tons)

Table 116. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2026) & (Tons)

Table 117. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2027-2032) & (Tons)

Table 118. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Region (2021-2026) & (Tons)

Table 119. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity by Region (2027-2032) & (Tons)

Table 120. Asia-Pacific Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2021-2026) & (USD Million)

Table 121. Asia-Pacific Metal Based Solid Hydrogen Storage Material Consumption Value by Region (2027-2032) & (USD Million)

Table 122. South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2026) & (Tons)

Table 123. South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2027-2032) & (Tons)

Table 124. South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2026) & (Tons)

Table 125. South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2027-2032) & (Tons)

Table 126. South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2026) & (Tons)

Table 127. South America Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2027-2032) & (Tons)

Table 128. South America Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2026) & (USD Million)

Table 129. South America Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2027-2032) & (USD Million)

Table 130. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2021-2026) & (Tons)

Table 131. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Type (2027-2032) & (Tons)

Table 132. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2021-2026) & (Tons)

Table 133. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Application (2027-2032) & (Tons)

Table 134. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2021-2026) & (Tons)

Table 135. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity by Country (2027-2032) & (Tons)

Table 136. Middle East & Africa Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2021-2026) & (USD Million)

Table 137. Middle East & Africa Metal Based Solid Hydrogen Storage Material Consumption Value by Country (2027-2032) & (USD Million)

Table 138. Metal Based Solid Hydrogen Storage Material Raw Material

Table 139. Key Manufacturers of Metal Based Solid Hydrogen Storage Material Raw Materials

Table 140. Metal Based Solid Hydrogen Storage Material Typical Distributors

Table 141. Metal Based Solid Hydrogen Storage Material Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Metal Based Solid Hydrogen Storage Material Picture
- Figure 2. Global Metal Based Solid Hydrogen Storage Material Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Metal Based Solid Hydrogen Storage Material Revenue Market Share by Type in 2025
- Figure 4. AB5 Type Examples
- Figure 5. AB2 Type Examples
- Figure 6. AB Type Examples
- Figure 7. A2B Type Examples
- Figure 8. Others Examples
- Figure 9. Global Metal Based Solid Hydrogen Storage Material Revenue by Product Form, (USD Million), 2021 & 2025 & 2032
- Figure 10. Global Metal Based Solid Hydrogen Storage Material Revenue Market Share by Product Form in 2025
- Figure 11. Powder Examples
- Figure 12. Block Examples
- Figure 13. Global Metal Based Solid Hydrogen Storage Material Revenue by Marketing Method, (USD Million), 2021 & 2025 & 2032
- Figure 14. Global Metal Based Solid Hydrogen Storage Material Revenue Market Share by Marketing Method in 2025
- Figure 15. Direct Sales Examples
- Figure 16. Distribution Examples
- Figure 17. Global Metal Based Solid Hydrogen Storage Material Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 18. Global Metal Based Solid Hydrogen Storage Material Revenue Market Share by Application in 2025
- Figure 19. Energy Storage Examples
- Figure 20. Battery Examples
- Figure 21. Global Metal Based Solid Hydrogen Storage Material Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 22. Global Metal Based Solid Hydrogen Storage Material Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 23. Global Metal Based Solid Hydrogen Storage Material Sales Quantity (2021-2032) & (Tons)
- Figure 24. Global Metal Based Solid Hydrogen Storage Material Price (2021-2032) &

(US\$/Ton)

Figure 25. Global Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Manufacturer in 2025

Figure 26. Global Metal Based Solid Hydrogen Storage Material Revenue Market Share by Manufacturer in 2025

Figure 27. Producer Shipments of Metal Based Solid Hydrogen Storage Material by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 28. Top 3 Metal Based Solid Hydrogen Storage Material Manufacturer (Revenue) Market Share in 2025

Figure 29. Top 6 Metal Based Solid Hydrogen Storage Material Manufacturer (Revenue) Market Share in 2025

Figure 30. Global Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Region (2021-2032)

Figure 31. Global Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Region (2021-2032)

Figure 32. North America Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 33. Europe Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 34. Asia-Pacific Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 35. South America Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 36. Middle East & Africa Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 37. Global Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Type (2021-2032)

Figure 38. Global Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Type (2021-2032)

Figure 39. Global Metal Based Solid Hydrogen Storage Material Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. Global Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Application (2021-2032)

Figure 41. Global Metal Based Solid Hydrogen Storage Material Revenue Market Share by Application (2021-2032)

Figure 42. Global Metal Based Solid Hydrogen Storage Material Average Price by Application (2021-2032) & (US\$/Ton)

Figure 43. North America Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Type (2021-2032)

Figure 44. North America Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Application (2021-2032)

Figure 45. North America Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Country (2021-2032)

Figure 46. North America Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Country (2021-2032)

Figure 47. United States Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 48. Canada Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 49. Mexico Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 50. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Type (2021-2032)

Figure 51. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Application (2021-2032)

Figure 52. Europe Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Country (2021-2032)

Figure 53. Europe Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Country (2021-2032)

Figure 54. Germany Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 55. France Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 56. United Kingdom Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 57. Russia Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 58. Italy Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 59. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Type (2021-2032)

Figure 60. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Application (2021-2032)

Figure 61. Asia-Pacific Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Region (2021-2032)

Figure 62. Asia-Pacific Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Region (2021-2032)

Figure 63. China Metal Based Solid Hydrogen Storage Material Consumption Value

(2021-2032) & (USD Million)

Figure 64. Japan Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 65. South Korea Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 66. India Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 67. Southeast Asia Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 68. Australia Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 69. South America Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Type (2021-2032)

Figure 70. South America Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Application (2021-2032)

Figure 71. South America Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Country (2021-2032)

Figure 72. South America Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Country (2021-2032)

Figure 73. Brazil Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 74. Argentina Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 75. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Type (2021-2032)

Figure 76. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Application (2021-2032)

Figure 77. Middle East & Africa Metal Based Solid Hydrogen Storage Material Sales Quantity Market Share by Country (2021-2032)

Figure 78. Middle East & Africa Metal Based Solid Hydrogen Storage Material Consumption Value Market Share by Country (2021-2032)

Figure 79. Turkey Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 80. Egypt Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 81. Saudi Arabia Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

Figure 82. South Africa Metal Based Solid Hydrogen Storage Material Consumption Value (2021-2032) & (USD Million)

- Figure 83. Metal Based Solid Hydrogen Storage Material Market Drivers
- Figure 84. Metal Based Solid Hydrogen Storage Material Market Restraints
- Figure 85. Metal Based Solid Hydrogen Storage Material Market Trends
- Figure 86. Porters Five Forces Analysis
- Figure 87. Manufacturing Cost Structure Analysis of Metal Based Solid Hydrogen Storage Material in 2025
- Figure 88. Manufacturing Process Analysis of Metal Based Solid Hydrogen Storage Material
- Figure 89. Metal Based Solid Hydrogen Storage Material Industrial Chain
- Figure 90. Sales Channel: Direct to End-User vs Distributors
- Figure 91. Direct Channel Pros & Cons
- Figure 92. Indirect Channel Pros & Cons
- Figure 93. Methodology
- Figure 94. Research Process and Data Source

I would like to order

Product name: Global Metal Based Solid Hydrogen Storage Material Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G3436EF13A2FEN.html>

Price: US\$ 3,480.00 (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/G3436EF13A2FEN.html>