

Global Ni5 Series Ternary Material Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Ni5 Series Ternary Material market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

The Ni5 Series Ternary Material is a groundbreaking material in the field of energy storage and conversion. It is composed of nickel oxide, nickel hydroxide, and nickel oxyhydroxide, making it a ternary compound. This material exhibits exceptional electrochemical properties, high energy density, and superior stability, making it ideal for applications such as rechargeable batteries and supercapacitors. The Ni5 Series Ternary Material offers a significant advancement in energy storage technology, providing longer-lasting and more efficient energy solutions for various industries, including automotive, electronics, and renewable energy.

The Ni5 Series Ternary Material holds promising market prospects due to its remarkable electrochemical properties. Its high energy density, stability, and efficiency position it as a potential game-changer in energy storage systems. As demand for advanced batteries and supercapacitors grows in sectors like electric vehicles, renewable energy, and portable electronics, this material could address key limitations of existing technologies. However, successful commercialization would require scalability, cost-effectiveness, and compatibility with existing manufacturing processes. If these challenges are overcome, the Ni5 Series Ternary Material could capture a substantial share of the burgeoning energy storage market, revolutionizing various industries.

The Global Info Research report includes an overview of the development of the Ni5

Series Ternary Material industry chain, the market status of Consumer Battery (Single Crystal Ni5 Series Ternary Material, Polycrystal Ni5 Series Ternary Material), Power Battery (Single Crystal Ni5 Series Ternary Material, Polycrystal Ni5 Series Ternary Material), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Ni5 Series Ternary Material.

Regionally, the report analyzes the Ni5 Series Ternary Material markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Ni5 Series Ternary Material market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Ni5 Series Ternary Material market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Ni5 Series Ternary Material industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., Single Crystal Ni5 Series Ternary Material, Polycrystal Ni5 Series Ternary Material).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Ni5 Series Ternary Material market.

Regional Analysis: The report involves examining the Ni5 Series Ternary Material market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Ni5 Series Ternary Material market. This may include

estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Ni5 Series Ternary Material:

Company Analysis: Report covers individual Ni5 Series Ternary Material manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Ni5 Series Ternary Material. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Consumer Battery, Power Battery).

Technology Analysis: Report covers specific technologies relevant to Ni5 Series Ternary Material. It assesses the current state, advancements, and potential future developments in Ni5 Series Ternary Material areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Ni5 Series Ternary Material market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Ni5 Series Ternary Material market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Single Crystal Ni5 Series Ternary Material

Polycrystal Ni5 Series Ternary Material

Market segment by Application

Consumer Battery

Power Battery

Energy Storage Battery

Major players covered

Nichia

Toda Kogyo

Mitsubishi

Xiamen Tungsten

Ningbo Jinhe New Materials

Jiangsu Zhongtian Technology

Ningbo Ronbay New Energy Technology

Chengdu B&M Science and Technology

Beijing Easpring Material Technology

Nantong Reshine New Material

Guizhou Zhenhua E-Chem

Shanshan Technology

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 Ni5 Series Ternary Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ni5 Series Ternary Material, with price, sales, revenue and global market share of Ni5 Series Ternary Material from 2018 to 2023.

Chapter 3, the Ni5 Series Ternary Material competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ni5 Series Ternary Material breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Ni5 Series Ternary Material market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 Ni5 Series Ternary Material.

Chapter 14 and 15, to describe Ni5 Series Ternary Material sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Ni5 Series Ternary Material
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Ni5 Series Ternary Material Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 Single Crystal Ni5 Series Ternary Material
 - 1.3.3 Polycrystal Ni5 Series Ternary Material
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Ni5 Series Ternary Material Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Consumer Battery
 - 1.4.3 Power Battery
 - 1.4.4 Energy Storage Battery
- 1.5 Global Ni5 Series Ternary Material Market Size & Forecast
 - 1.5.1 Global Ni5 Series Ternary Material Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global Ni5 Series Ternary Material Sales Quantity (2018-2029)
 - 1.5.3 Global Ni5 Series Ternary Material Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Nichia
 - 2.1.1 Nichia Details
 - 2.1.2 Nichia Major Business
 - 2.1.3 Nichia Ni5 Series Ternary Material Product and Services
 - 2.1.4 Nichia Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Nichia Recent Developments/Updates
- 2.2 Toda Kogyo
 - 2.2.1 Toda Kogyo Details
 - 2.2.2 Toda Kogyo Major Business
 - 2.2.3 Toda Kogyo Ni5 Series Ternary Material Product and Services
 - 2.2.4 Toda Kogyo Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.2.5 Toda Kogyo Recent Developments/Updates
- 2.3 Mitsubishi

- 2.3.1 Mitsubishi Details
- 2.3.2 Mitsubishi Major Business
- 2.3.3 Mitsubishi Ni5 Series Ternary Material Product and Services
- 2.3.4 Mitsubishi Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.3.5 Mitsubishi Recent Developments/Updates
- 2.4 Xiamen Tungsten
 - 2.4.1 Xiamen Tungsten Details
 - 2.4.2 Xiamen Tungsten Major Business
 - 2.4.3 Xiamen Tungsten Ni5 Series Ternary Material Product and Services
 - 2.4.4 Xiamen Tungsten Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Xiamen Tungsten Recent Developments/Updates
- 2.5 Ningbo Jinhe New Materials
 - 2.5.1 Ningbo Jinhe New Materials Details
 - 2.5.2 Ningbo Jinhe New Materials Major Business
 - 2.5.3 Ningbo Jinhe New Materials Ni5 Series Ternary Material Product and Services
 - 2.5.4 Ningbo Jinhe New Materials Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 Ningbo Jinhe New Materials Recent Developments/Updates
- 2.6 Jiangsu Zhongtian Technology
 - 2.6.1 Jiangsu Zhongtian Technology Details
 - 2.6.2 Jiangsu Zhongtian Technology Major Business
 - 2.6.3 Jiangsu Zhongtian Technology Ni5 Series Ternary Material Product and Services
 - 2.6.4 Jiangsu Zhongtian Technology Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 Jiangsu Zhongtian Technology Recent Developments/Updates
- 2.7 Ningbo Ronbay New Energy Technology
 - 2.7.1 Ningbo Ronbay New Energy Technology Details
 - 2.7.2 Ningbo Ronbay New Energy Technology Major Business
 - 2.7.3 Ningbo Ronbay New Energy Technology Ni5 Series Ternary Material Product and Services
 - 2.7.4 Ningbo Ronbay New Energy Technology Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.7.5 Ningbo Ronbay New Energy Technology Recent Developments/Updates
- 2.8 Chengdu B&M Science and Technology
 - 2.8.1 Chengdu B&M Science and Technology Details
 - 2.8.2 Chengdu B&M Science and Technology Major Business
 - 2.8.3 Chengdu B&M Science and Technology Ni5 Series Ternary Material Product and

Services

2.8.4 Chengdu B&M Science and Technology Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Chengdu B&M Science and Technology Recent Developments/Updates

2.9 Beijing Easpring Material Technology

2.9.1 Beijing Easpring Material Technology Details

2.9.2 Beijing Easpring Material Technology Major Business

2.9.3 Beijing Easpring Material Technology Ni5 Series Ternary Material Product and Services

2.9.4 Beijing Easpring Material Technology Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Beijing Easpring Material Technology Recent Developments/Updates

2.10 Nantong Reshine New Material

2.10.1 Nantong Reshine New Material Details

2.10.2 Nantong Reshine New Material Major Business

2.10.3 Nantong Reshine New Material Ni5 Series Ternary Material Product and Services

2.10.4 Nantong Reshine New Material Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Nantong Reshine New Material Recent Developments/Updates

2.11 Guizhou Zhenhua E-Chem

2.11.1 Guizhou Zhenhua E-Chem Details

2.11.2 Guizhou Zhenhua E-Chem Major Business

2.11.3 Guizhou Zhenhua E-Chem Ni5 Series Ternary Material Product and Services

2.11.4 Guizhou Zhenhua E-Chem Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Guizhou Zhenhua E-Chem Recent Developments/Updates

2.12 Shanshan Technology

2.12.1 Shanshan Technology Details

2.12.2 Shanshan Technology Major Business

2.12.3 Shanshan Technology Ni5 Series Ternary Material Product and Services

2.12.4 Shanshan Technology Ni5 Series Ternary Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Shanshan Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: NI5 SERIES TERNARY MATERIAL BY MANUFACTURER

3.1 Global Ni5 Series Ternary Material Sales Quantity by Manufacturer (2018-2023)

- 3.2 Global Ni5 Series Ternary Material Revenue by Manufacturer (2018-2023)
- 3.3 Global Ni5 Series Ternary Material Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of Ni5 Series Ternary Material by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 Ni5 Series Ternary Material Manufacturer Market Share in 2022
 - 3.4.2 Top 6 Ni5 Series Ternary Material Manufacturer Market Share in 2022
- 3.5 Ni5 Series Ternary Material Market: Overall Company Footprint Analysis
 - 3.5.1 Ni5 Series Ternary Material Market: Region Footprint
 - 3.5.2 Ni5 Series Ternary Material Market: Company Product Type Footprint
 - 3.5.3 Ni5 Series Ternary 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 Ni5 Series Ternary Material Market Size by Region
 - 4.1.1 Global Ni5 Series Ternary Material Sales Quantity by Region (2018-2029)
 - 4.1.2 Global Ni5 Series Ternary Material Consumption Value by Region (2018-2029)
 - 4.1.3 Global Ni5 Series Ternary Material Average Price by Region (2018-2029)
- 4.2 North America Ni5 Series Ternary Material Consumption Value (2018-2029)
- 4.3 Europe Ni5 Series Ternary Material Consumption Value (2018-2029)
- 4.4 Asia-Pacific Ni5 Series Ternary Material Consumption Value (2018-2029)
- 4.5 South America Ni5 Series Ternary Material Consumption Value (2018-2029)
- 4.6 Middle East and Africa Ni5 Series Ternary Material Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Ni5 Series Ternary Material Sales Quantity by Type (2018-2029)
- 5.2 Global Ni5 Series Ternary Material Consumption Value by Type (2018-2029)
- 5.3 Global Ni5 Series Ternary Material Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Ni5 Series Ternary Material Sales Quantity by Application (2018-2029)
- 6.2 Global Ni5 Series Ternary Material Consumption Value by Application (2018-2029)
- 6.3 Global Ni5 Series Ternary Material Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America Ni5 Series Ternary Material Sales Quantity by Type (2018-2029)

7.2 North America Ni5 Series Ternary Material Sales Quantity by Application (2018-2029)

7.3 North America Ni5 Series Ternary Material Market Size by Country

7.3.1 North America Ni5 Series Ternary Material Sales Quantity by Country (2018-2029)

7.3.2 North America Ni5 Series Ternary Material Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe Ni5 Series Ternary Material Sales Quantity by Type (2018-2029)

8.2 Europe Ni5 Series Ternary Material Sales Quantity by Application (2018-2029)

8.3 Europe Ni5 Series Ternary Material Market Size by Country

8.3.1 Europe Ni5 Series Ternary Material Sales Quantity by Country (2018-2029)

8.3.2 Europe Ni5 Series Ternary Material Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Ni5 Series Ternary Material Market Size by Region

9.3.1 Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Ni5 Series Ternary Material Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America Ni5 Series Ternary Material Sales Quantity by Type (2018-2029)

10.2 South America Ni5 Series Ternary Material Sales Quantity by Application (2018-2029)

10.3 South America Ni5 Series Ternary Material Market Size by Country

10.3.1 South America Ni5 Series Ternary Material Sales Quantity by Country (2018-2029)

10.3.2 South America Ni5 Series Ternary Material Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Ni5 Series Ternary Material Market Size by Country

11.3.1 Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Ni5 Series Ternary Material Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 Ni5 Series Ternary Material Market Drivers

12.2 Ni5 Series Ternary Material Market Restraints

12.3 Ni5 Series Ternary 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 Ni5 Series Ternary Material and Key Manufacturers

13.2 Manufacturing Costs Percentage of Ni5 Series Ternary Material

13.3 Ni5 Series Ternary Material Production Process

13.4 Ni5 Series Ternary Material Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Ni5 Series Ternary Material Typical Distributors

14.3 Ni5 Series Ternary 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 Ni5 Series Ternary Material Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Ni5 Series Ternary Material Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Nichia Basic Information, Manufacturing Base and Competitors

Table 4. Nichia Major Business

Table 5. Nichia Ni5 Series Ternary Material Product and Services

Table 6. Nichia Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Nichia Recent Developments/Updates

Table 8. Toda Kogyo Basic Information, Manufacturing Base and Competitors

Table 9. Toda Kogyo Major Business

Table 10. Toda Kogyo Ni5 Series Ternary Material Product and Services

Table 11. Toda Kogyo Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Toda Kogyo Recent Developments/Updates

Table 13. Mitsubishi Basic Information, Manufacturing Base and Competitors

Table 14. Mitsubishi Major Business

Table 15. Mitsubishi Ni5 Series Ternary Material Product and Services

Table 16. Mitsubishi Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Mitsubishi Recent Developments/Updates

Table 18. Xiamen Tungsten Basic Information, Manufacturing Base and Competitors

Table 19. Xiamen Tungsten Major Business

Table 20. Xiamen Tungsten Ni5 Series Ternary Material Product and Services

Table 21. Xiamen Tungsten Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Xiamen Tungsten Recent Developments/Updates

Table 23. Ningbo Jinhe New Materials Basic Information, Manufacturing Base and Competitors

Table 24. Ningbo Jinhe New Materials Major Business

Table 25. Ningbo Jinhe New Materials Ni5 Series Ternary Material Product and Services

Table 26. Ningbo Jinhe New Materials Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market

Share (2018-2023)

Table 27. Ningbo Jinhe New Materials Recent Developments/Updates

Table 28. Jiangsu Zhongtian Technology Basic Information, Manufacturing Base and Competitors

Table 29. Jiangsu Zhongtian Technology Major Business

Table 30. Jiangsu Zhongtian Technology Ni5 Series Ternary Material Product and Services

Table 31. Jiangsu Zhongtian Technology Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Jiangsu Zhongtian Technology Recent Developments/Updates

Table 33. Ningbo Ronbay New Energy Technology Basic Information, Manufacturing Base and Competitors

Table 34. Ningbo Ronbay New Energy Technology Major Business

Table 35. Ningbo Ronbay New Energy Technology Ni5 Series Ternary Material Product and Services

Table 36. Ningbo Ronbay New Energy Technology Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Ningbo Ronbay New Energy Technology Recent Developments/Updates

Table 38. Chengdu B&M Science and Technology Basic Information, Manufacturing Base and Competitors

Table 39. Chengdu B&M Science and Technology Major Business

Table 40. Chengdu B&M Science and Technology Ni5 Series Ternary Material Product and Services

Table 41. Chengdu B&M Science and Technology Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Chengdu B&M Science and Technology Recent Developments/Updates

Table 43. Beijing Easpring Material Technology Basic Information, Manufacturing Base and Competitors

Table 44. Beijing Easpring Material Technology Major Business

Table 45. Beijing Easpring Material Technology Ni5 Series Ternary Material Product and Services

Table 46. Beijing Easpring Material Technology Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Beijing Easpring Material Technology Recent Developments/Updates

Table 48. Nantong Reshine New Material Basic Information, Manufacturing Base and

Competitors

Table 49. Nantong Reshine New Material Major Business

Table 50. Nantong Reshine New Material Ni5 Series Ternary Material Product and Services

Table 51. Nantong Reshine New Material Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Nantong Reshine New Material Recent Developments/Updates

Table 53. Guizhou Zhenhua E-Chem Basic Information, Manufacturing Base and Competitors

Table 54. Guizhou Zhenhua E-Chem Major Business

Table 55. Guizhou Zhenhua E-Chem Ni5 Series Ternary Material Product and Services

Table 56. Guizhou Zhenhua E-Chem Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Guizhou Zhenhua E-Chem Recent Developments/Updates

Table 58. Shanshan Technology Basic Information, Manufacturing Base and Competitors

Table 59. Shanshan Technology Major Business

Table 60. Shanshan Technology Ni5 Series Ternary Material Product and Services

Table 61. Shanshan Technology Ni5 Series Ternary Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Shanshan Technology Recent Developments/Updates

Table 63. Global Ni5 Series Ternary Material Sales Quantity by Manufacturer (2018-2023) & (Tons)

Table 64. Global Ni5 Series Ternary Material Revenue by Manufacturer (2018-2023) & (USD Million)

Table 65. Global Ni5 Series Ternary Material Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 66. Market Position of Manufacturers in Ni5 Series Ternary Material, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 67. Head Office and Ni5 Series Ternary Material Production Site of Key Manufacturer

Table 68. Ni5 Series Ternary Material Market: Company Product Type Footprint

Table 69. Ni5 Series Ternary Material Market: Company Product Application Footprint

Table 70. Ni5 Series Ternary Material New Market Entrants and Barriers to Market Entry

Table 71. Ni5 Series Ternary Material Mergers, Acquisition, Agreements, and

Collaborations

Table 72. Global Ni5 Series Ternary Material Sales Quantity by Region (2018-2023) & (Tons)

Table 73. Global Ni5 Series Ternary Material Sales Quantity by Region (2024-2029) & (Tons)

Table 74. Global Ni5 Series Ternary Material Consumption Value by Region (2018-2023) & (USD Million)

Table 75. Global Ni5 Series Ternary Material Consumption Value by Region (2024-2029) & (USD Million)

Table 76. Global Ni5 Series Ternary Material Average Price by Region (2018-2023) & (US\$/Ton)

Table 77. Global Ni5 Series Ternary Material Average Price by Region (2024-2029) & (US\$/Ton)

Table 78. Global Ni5 Series Ternary Material Sales Quantity by Type (2018-2023) & (Tons)

Table 79. Global Ni5 Series Ternary Material Sales Quantity by Type (2024-2029) & (Tons)

Table 80. Global Ni5 Series Ternary Material Consumption Value by Type (2018-2023) & (USD Million)

Table 81. Global Ni5 Series Ternary Material Consumption Value by Type (2024-2029) & (USD Million)

Table 82. Global Ni5 Series Ternary Material Average Price by Type (2018-2023) & (US\$/Ton)

Table 83. Global Ni5 Series Ternary Material Average Price by Type (2024-2029) & (US\$/Ton)

Table 84. Global Ni5 Series Ternary Material Sales Quantity by Application (2018-2023) & (Tons)

Table 85. Global Ni5 Series Ternary Material Sales Quantity by Application (2024-2029) & (Tons)

Table 86. Global Ni5 Series Ternary Material Consumption Value by Application (2018-2023) & (USD Million)

Table 87. Global Ni5 Series Ternary Material Consumption Value by Application (2024-2029) & (USD Million)

Table 88. Global Ni5 Series Ternary Material Average Price by Application (2018-2023) & (US\$/Ton)

Table 89. Global Ni5 Series Ternary Material Average Price by Application (2024-2029) & (US\$/Ton)

Table 90. North America Ni5 Series Ternary Material Sales Quantity by Type (2018-2023) & (Tons)

Table 91. North America Ni5 Series Ternary Material Sales Quantity by Type (2024-2029) & (Tons)

Table 92. North America Ni5 Series Ternary Material Sales Quantity by Application (2018-2023) & (Tons)

Table 93. North America Ni5 Series Ternary Material Sales Quantity by Application (2024-2029) & (Tons)

Table 94. North America Ni5 Series Ternary Material Sales Quantity by Country (2018-2023) & (Tons)

Table 95. North America Ni5 Series Ternary Material Sales Quantity by Country (2024-2029) & (Tons)

Table 96. North America Ni5 Series Ternary Material Consumption Value by Country (2018-2023) & (USD Million)

Table 97. North America Ni5 Series Ternary Material Consumption Value by Country (2024-2029) & (USD Million)

Table 98. Europe Ni5 Series Ternary Material Sales Quantity by Type (2018-2023) & (Tons)

Table 99. Europe Ni5 Series Ternary Material Sales Quantity by Type (2024-2029) & (Tons)

Table 100. Europe Ni5 Series Ternary Material Sales Quantity by Application (2018-2023) & (Tons)

Table 101. Europe Ni5 Series Ternary Material Sales Quantity by Application (2024-2029) & (Tons)

Table 102. Europe Ni5 Series Ternary Material Sales Quantity by Country (2018-2023) & (Tons)

Table 103. Europe Ni5 Series Ternary Material Sales Quantity by Country (2024-2029) & (Tons)

Table 104. Europe Ni5 Series Ternary Material Consumption Value by Country (2018-2023) & (USD Million)

Table 105. Europe Ni5 Series Ternary Material Consumption Value by Country (2024-2029) & (USD Million)

Table 106. Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Type (2018-2023) & (Tons)

Table 107. Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Type (2024-2029) & (Tons)

Table 108. Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Application (2018-2023) & (Tons)

Table 109. Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Application (2024-2029) & (Tons)

Table 110. Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Region

(2018-2023) & (Tons)

Table 111. Asia-Pacific Ni5 Series Ternary Material Sales Quantity by Region

(2024-2029) & (Tons)

Table 112. Asia-Pacific Ni5 Series Ternary Material Consumption Value by Region

(2018-2023) & (USD Million)

Table 113. Asia-Pacific Ni5 Series Ternary Material Consumption Value by Region

(2024-2029) & (USD Million)

Table 114. South America Ni5 Series Ternary Material Sales Quantity by Type

(2018-2023) & (Tons)

Table 115. South America Ni5 Series Ternary Material Sales Quantity by Type

(2024-2029) & (Tons)

Table 116. South America Ni5 Series Ternary Material Sales Quantity by Application

(2018-2023) & (Tons)

Table 117. South America Ni5 Series Ternary Material Sales Quantity by Application

(2024-2029) & (Tons)

Table 118. South America Ni5 Series Ternary Material Sales Quantity by Country

(2018-2023) & (Tons)

Table 119. South America Ni5 Series Ternary Material Sales Quantity by Country

(2024-2029) & (Tons)

Table 120. South America Ni5 Series Ternary Material Consumption Value by Country

(2018-2023) & (USD Million)

Table 121. South America Ni5 Series Ternary Material Consumption Value by Country

(2024-2029) & (USD Million)

Table 122. Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Type

(2018-2023) & (Tons)

Table 123. Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Type

(2024-2029) & (Tons)

Table 124. Middle East & Africa Ni5 Series Ternary Material Sales Quantity by

Application (2018-2023) & (Tons)

Table 125. Middle East & Africa Ni5 Series Ternary Material Sales Quantity by

Application (2024-2029) & (Tons)

Table 126. Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Region

(2018-2023) & (Tons)

Table 127. Middle East & Africa Ni5 Series Ternary Material Sales Quantity by Region

(2024-2029) & (Tons)

Table 128. Middle East & Africa Ni5 Series Ternary Material Consumption Value by

Region (2018-2023) & (USD Million)

Table 129. Middle East & Africa Ni5 Series Ternary Material Consumption Value by

Region (2024-2029) & (USD Million)

Table 130. Ni5 Series Ternary Material Raw Material

Table 131. Key Manufacturers of Ni5 Series Ternary Material Raw Materials

Table 132. Ni5 Series Ternary Material Typical Distributors

Table 133. Ni5 Series Ternary Material Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Ni5 Series Ternary Material Picture
- Figure 2. Global Ni5 Series Ternary Material Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Ni5 Series Ternary Material Consumption Value Market Share by Type in 2022
- Figure 4. Single Crystal Ni5 Series Ternary Material Examples
- Figure 5. Polycrystal Ni5 Series Ternary Material Examples
- Figure 6. Global Ni5 Series Ternary Material Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 7. Global Ni5 Series Ternary Material Consumption Value Market Share by Application in 2022
- Figure 8. Consumer Battery Examples
- Figure 9. Power Battery Examples
- Figure 10. Energy Storage Battery Examples
- Figure 11. Global Ni5 Series Ternary Material Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 12. Global Ni5 Series Ternary Material Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 13. Global Ni5 Series Ternary Material Sales Quantity (2018-2029) & (Tons)
- Figure 14. Global Ni5 Series Ternary Material Average Price (2018-2029) & (US\$/Ton)
- Figure 15. Global Ni5 Series Ternary Material Sales Quantity Market Share by Manufacturer in 2022
- Figure 16. Global Ni5 Series Ternary Material Consumption Value Market Share by Manufacturer in 2022
- Figure 17. Producer Shipments of Ni5 Series Ternary Material by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 18. Top 3 Ni5 Series Ternary Material Manufacturer (Consumption Value) Market Share in 2022
- Figure 19. Top 6 Ni5 Series Ternary Material Manufacturer (Consumption Value) Market Share in 2022
- Figure 20. Global Ni5 Series Ternary Material Sales Quantity Market Share by Region (2018-2029)
- Figure 21. Global Ni5 Series Ternary Material Consumption Value Market Share by Region (2018-2029)
- Figure 22. North America Ni5 Series Ternary Material Consumption Value (2018-2029)

& (USD Million)

Figure 23. Europe Ni5 Series Ternary Material Consumption Value (2018-2029) & (USD Million)

Figure 24. Asia-Pacific Ni5 Series Ternary Material Consumption Value (2018-2029) & (USD Million)

Figure 25. South America Ni5 Series Ternary Material Consumption Value (2018-2029) & (USD Million)

Figure 26. Middle East & Africa Ni5 Series Ternary Material Consumption Value (2018-2029) & (USD Million)

Figure 27. Global Ni5 Series Ternary Material Sales Quantity Market Share by Type (2018-2029)

Figure 28. Global Ni5 Series Ternary Material Consumption Value Market Share by Type (2018-2029)

Figure 29. Global Ni5 Series Ternary Material Average Price by Type (2018-2029) & (US\$/Ton)

Figure 30. Global Ni5 Series Ternary Material Sales Quantity Market Share by Application (2018-2029)

Figure 31. Global Ni5 Series Ternary Material Consumption Value Market Share by Application (2018-2029)

Figure 32. Global Ni5 Series Ternary Material Average Price by Application (2018-2029) & (US\$/Ton)

Figure 33. North America Ni5 Series Ternary Material Sales Quantity Market Share by Type (2018-2029)

Figure 34. North America Ni5 Series Ternary Material Sales Quantity Market Share by Application (2018-2029)

Figure 35. North America Ni5 Series Ternary Material Sales Quantity Market Share by Country (2018-2029)

Figure 36. North America Ni5 Series Ternary Material Consumption Value Market Share by Country (2018-2029)

Figure 37. United States Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Canada Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Mexico Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Europe Ni5 Series Ternary Material Sales Quantity Market Share by Type (2018-2029)

Figure 41. Europe Ni5 Series Ternary Material Sales Quantity Market Share by Application (2018-2029)

Figure 42. Europe Ni5 Series Ternary Material Sales Quantity Market Share by Country (2018-2029)

Figure 43. Europe Ni5 Series Ternary Material Consumption Value Market Share by Country (2018-2029)

Figure 44. Germany Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. France Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. United Kingdom Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Russia Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Italy Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Asia-Pacific Ni5 Series Ternary Material Sales Quantity Market Share by Type (2018-2029)

Figure 50. Asia-Pacific Ni5 Series Ternary Material Sales Quantity Market Share by Application (2018-2029)

Figure 51. Asia-Pacific Ni5 Series Ternary Material Sales Quantity Market Share by Region (2018-2029)

Figure 52. Asia-Pacific Ni5 Series Ternary Material Consumption Value Market Share by Region (2018-2029)

Figure 53. China Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Japan Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Korea Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. India Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Southeast Asia Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Australia Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. South America Ni5 Series Ternary Material Sales Quantity Market Share by Type (2018-2029)

Figure 60. South America Ni5 Series Ternary Material Sales Quantity Market Share by Application (2018-2029)

Figure 61. South America Ni5 Series Ternary Material Sales Quantity Market Share by

Country (2018-2029)

Figure 62. South America Ni5 Series Ternary Material Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa Ni5 Series Ternary Material Sales Quantity Market Share by Type (2018-2029)

Figure 66. Middle East & Africa Ni5 Series Ternary Material Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa Ni5 Series Ternary Material Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa Ni5 Series Ternary Material Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Egypt Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa Ni5 Series Ternary Material Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Ni5 Series Ternary Material Market Drivers

Figure 74. Ni5 Series Ternary Material Market Restraints

Figure 75. Ni5 Series Ternary Material Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Ni5 Series Ternary Material in 2022

Figure 78. Manufacturing Process Analysis of Ni5 Series Ternary Material

Figure 79. Ni5 Series Ternary Material Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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