

Global Molybdenum-Based Binary Alloys Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Molybdenum-Based Binary Alloys market size is expected to reach \$ 1536 million by 2032, rising at a market growth of 9.6% CAGR during the forecast period (2026-2032).

Molybdenum-based binary alloys are binary alloy materials formed by using molybdenum (Mo) as the base element and adding another main alloying element. Examples include molybdenum-aluminum alloys, molybdenum-rhenium alloys, molybdenum-titanium alloys, molybdenum-zirconium alloys, and molybdenum-niobium alloys. Because molybdenum itself possesses a high melting point, high strength, good thermal and electrical conductivity, and good high-temperature stability, adding another alloying element can further improve its high-temperature strength, creep resistance, toughness, oxidation resistance, corrosion resistance, and processing performance. Molybdenum-based binary alloys are commonly used in aerospace, electronics, semiconductors, vacuum furnaces, high-temperature structural components, nuclear industry, glass melting electrodes, and special equipment, and belong to an important branch of high-temperature refractory metal materials. Sales in 2025 were approximately 14,000 tons.

This report studies the global Molybdenum-Based Binary Alloys production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Molybdenum-Based Binary Alloys and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Molybdenum-Based Binary Alloys that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Molybdenum-Based Binary Alloys total production and demand, 2021-2032, (Tons)

Global Molybdenum-Based Binary Alloys total production value, 2021-2032, (USD Million)

Global Molybdenum-Based Binary Alloys production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Molybdenum-Based Binary Alloys consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Molybdenum-Based Binary Alloys domestic production, consumption, key domestic manufacturers and share

Global Molybdenum-Based Binary Alloys production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Molybdenum-Based Binary Alloys production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Molybdenum-Based Binary Alloys production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Molybdenum-Based Binary Alloys market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AMG, BaoTi Group, Kymera International, Avon Metals, Pangang Group Vanadium & Titanium Resources, Jinzhou Aohan Metal, Chengde Tianda Vanadium Industry, Lizhong Sitong Light Alloys, Baoji Jiacheng Rare Metal Materials, Dalian BHN Special Materials, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Molybdenum-Based Binary Alloys market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the

forecast year.

Global Molybdenum-Based Binary Alloys Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Molybdenum-Based Binary Alloys Market, Segmentation by Type:

Molybdenum-Aluminum Alloy

Molybdenum-Tungsten Alloy

Molybdenum-Rhenium Alloy

Molybdenum-Copper Alloy

Other

Global Molybdenum-Based Binary Alloys Market, Segmentation by Grade:

High Molybdenum Content

Low Molybdenum Content

Global Molybdenum-Based Binary Alloys Market, Segmentation by Form:

Blocky

Granular

Others

Global Molybdenum-Based Binary Alloys Market, Segmentation by Application:

Aerospace

Military Industry

Electronics and Semiconductors

Nuclear Industry

Other

Companies Profiled:

AMG

BaoTi Group

Kymera International

Avon Metals

Pangang Group Vanadium & Titanium Resources

Jinzhou Aohan Metal

Chengde Tianda Vanadium Industry

Lizhong Sitong Light Alloys

Baoji Jiacheng Rare Metal Materials

Dalian BHN Special Materials

ZS Advanced Materials

Baoji Chenyan Metal Materials

Advanced Refractory Metals

KBM Affilips

High Broad New Material

Advanced Technology & Materials

Plansee

Key Questions Answered:

1. How big is the global Molybdenum-Based Binary Alloys market?
2. What is the demand of the global Molybdenum-Based Binary Alloys market?
3. What is the year over year growth of the global Molybdenum-Based Binary Alloys market?
4. What is the production and production value of the global Molybdenum-Based Binary Alloys market?
5. Who are the key producers in the global Molybdenum-Based Binary Alloys market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Molybdenum-Based Binary Alloys Introduction
- 1.2 World Molybdenum-Based Binary Alloys Supply & Forecast
 - 1.2.1 World Molybdenum-Based Binary Alloys Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Molybdenum-Based Binary Alloys Production (2021-2032)
 - 1.2.3 World Molybdenum-Based Binary Alloys Pricing Trends (2021-2032)
- 1.3 World Molybdenum-Based Binary Alloys Production by Region (Based on Production Site)
 - 1.3.1 World Molybdenum-Based Binary Alloys Production Value by Region (2021-2032)
 - 1.3.2 World Molybdenum-Based Binary Alloys Production by Region (2021-2032)
 - 1.3.3 World Molybdenum-Based Binary Alloys Average Price by Region (2021-2032)
 - 1.3.4 North America Molybdenum-Based Binary Alloys Production (2021-2032)
 - 1.3.5 Europe Molybdenum-Based Binary Alloys Production (2021-2032)
 - 1.3.6 China Molybdenum-Based Binary Alloys Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Molybdenum-Based Binary Alloys Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Molybdenum-Based Binary Alloys Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Molybdenum-Based Binary Alloys Demand (2021-2032)
- 2.2 World Molybdenum-Based Binary Alloys Consumption by Region
 - 2.2.1 World Molybdenum-Based Binary Alloys Consumption by Region (2021-2026)
 - 2.2.2 World Molybdenum-Based Binary Alloys Consumption Forecast by Region (2027-2032)
- 2.3 United States Molybdenum-Based Binary Alloys Consumption (2021-2032)
- 2.4 China Molybdenum-Based Binary Alloys Consumption (2021-2032)
- 2.5 Europe Molybdenum-Based Binary Alloys Consumption (2021-2032)
- 2.6 Japan Molybdenum-Based Binary Alloys Consumption (2021-2032)
- 2.7 South Korea Molybdenum-Based Binary Alloys Consumption (2021-2032)
- 2.8 ASEAN Molybdenum-Based Binary Alloys Consumption (2021-2032)
- 2.9 India Molybdenum-Based Binary Alloys Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Molybdenum-Based Binary Alloys Production Value by Manufacturer (2021-2026)
- 3.2 World Molybdenum-Based Binary Alloys Production by Manufacturer (2021-2026)
- 3.3 World Molybdenum-Based Binary Alloys Average Price by Manufacturer (2021-2026)
- 3.4 Molybdenum-Based Binary Alloys Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Molybdenum-Based Binary Alloys Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Molybdenum-Based Binary Alloys in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Molybdenum-Based Binary Alloys in 2025
- 3.6 Molybdenum-Based Binary Alloys Market: Overall Company Footprint Analysis
 - 3.6.1 Molybdenum-Based Binary Alloys Market: Region Footprint
 - 3.6.2 Molybdenum-Based Binary Alloys Market: Company Product Type Footprint
 - 3.6.3 Molybdenum-Based Binary Alloys Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Molybdenum-Based Binary Alloys Production Value Comparison
 - 4.1.1 United States VS China: Molybdenum-Based Binary Alloys Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Molybdenum-Based Binary Alloys Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Molybdenum-Based Binary Alloys Production Comparison
 - 4.2.1 United States VS China: Molybdenum-Based Binary Alloys Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Molybdenum-Based Binary Alloys Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Molybdenum-Based Binary Alloys Consumption Comparison
 - 4.3.1 United States VS China: Molybdenum-Based Binary Alloys Consumption

Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Molybdenum-Based Binary Alloys Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Molybdenum-Based Binary Alloys Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Molybdenum-Based Binary Alloys Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Molybdenum-Based Binary Alloys Production Value (2021-2026)

4.4.3 United States Based Manufacturers Molybdenum-Based Binary Alloys Production (2021-2026)

4.5 China Based Molybdenum-Based Binary Alloys Manufacturers and Market Share

4.5.1 China Based Molybdenum-Based Binary Alloys Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Molybdenum-Based Binary Alloys Production Value (2021-2026)

4.5.3 China Based Manufacturers Molybdenum-Based Binary Alloys Production (2021-2026)

4.6 Rest of World Based Molybdenum-Based Binary Alloys Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Molybdenum-Based Binary Alloys Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Molybdenum-Based Binary Alloys Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Molybdenum-Aluminum Alloy

5.2.2 Molybdenum-Tungsten Alloy

5.2.3 Molybdenum-Rhenium Alloy

5.2.4 Molybdenum-Copper Alloy

5.2.5 Other

5.3 Market Segment by Type

5.3.1 World Molybdenum-Based Binary Alloys Production by Type (2021-2032)

5.3.2 World Molybdenum-Based Binary Alloys Production Value by Type (2021-2032)

5.3.3 World Molybdenum-Based Binary Alloys Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY GRADE

6.1 World Molybdenum-Based Binary Alloys Market Size Overview by Grade: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Grade

6.2.1 High Molybdenum Content

6.2.2 Low Molybdenum Content

6.3 Market Segment by Grade

6.3.1 World Molybdenum-Based Binary Alloys Production by Grade (2021-2032)

6.3.2 World Molybdenum-Based Binary Alloys Production Value by Grade (2021-2032)

6.3.3 World Molybdenum-Based Binary Alloys Average Price by Grade (2021-2032)

7 MARKET ANALYSIS BY FORM

7.1 World Molybdenum-Based Binary Alloys Market Size Overview by Form: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Form

7.2.1 Blocky

7.2.2 Granular

7.2.3 Others

7.3 Market Segment by Form

7.3.1 World Molybdenum-Based Binary Alloys Production by Form (2021-2032)

7.3.2 World Molybdenum-Based Binary Alloys Production Value by Form (2021-2032)

7.3.3 World Molybdenum-Based Binary Alloys Average Price by Form (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Molybdenum-Based Binary Alloys Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Aerospace

8.2.2 Military Industry

8.2.3 Electronics and Semiconductors

8.2.4 Nuclear Industry

8.2.5 Other

8.3 Market Segment by Application

- 8.3.1 World Molybdenum-Based Binary Alloys Production by Application (2021-2032)
- 8.3.2 World Molybdenum-Based Binary Alloys Production Value by Application (2021-2032)
- 8.3.3 World Molybdenum-Based Binary Alloys Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 AMG

- 9.1.1 AMG Details
- 9.1.2 AMG Major Business
- 9.1.3 AMG Molybdenum-Based Binary Alloys Product and Services
- 9.1.4 AMG Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 AMG Recent Developments/Updates
- 9.1.6 AMG Competitive Strengths & Weaknesses

9.2 BaoTi Group

- 9.2.1 BaoTi Group Details
- 9.2.2 BaoTi Group Major Business
- 9.2.3 BaoTi Group Molybdenum-Based Binary Alloys Product and Services
- 9.2.4 BaoTi Group Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 BaoTi Group Recent Developments/Updates
- 9.2.6 BaoTi Group Competitive Strengths & Weaknesses

9.3 Kymera International

- 9.3.1 Kymera International Details
- 9.3.2 Kymera International Major Business
- 9.3.3 Kymera International Molybdenum-Based Binary Alloys Product and Services
- 9.3.4 Kymera International Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.3.5 Kymera International Recent Developments/Updates
- 9.3.6 Kymera International Competitive Strengths & Weaknesses

9.4 Avon Metals

- 9.4.1 Avon Metals Details
- 9.4.2 Avon Metals Major Business
- 9.4.3 Avon Metals Molybdenum-Based Binary Alloys Product and Services
- 9.4.4 Avon Metals Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 Avon Metals Recent Developments/Updates

- 9.4.6 Avon Metals Competitive Strengths & Weaknesses
- 9.5 Pangang Group Vanadium & Titanium Resources
 - 9.5.1 Pangang Group Vanadium & Titanium Resources Details
 - 9.5.2 Pangang Group Vanadium & Titanium Resources Major Business
 - 9.5.3 Pangang Group Vanadium & Titanium Resources Molybdenum-Based Binary Alloys Product and Services
 - 9.5.4 Pangang Group Vanadium & Titanium Resources Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Pangang Group Vanadium & Titanium Resources Recent Developments/Updates
 - 9.5.6 Pangang Group Vanadium & Titanium Resources Competitive Strengths & Weaknesses
- 9.6 Jinzhou Aohan Metal
 - 9.6.1 Jinzhou Aohan Metal Details
 - 9.6.2 Jinzhou Aohan Metal Major Business
 - 9.6.3 Jinzhou Aohan Metal Molybdenum-Based Binary Alloys Product and Services
 - 9.6.4 Jinzhou Aohan Metal Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Jinzhou Aohan Metal Recent Developments/Updates
 - 9.6.6 Jinzhou Aohan Metal Competitive Strengths & Weaknesses
- 9.7 Chengde Tianda Vanadium Industry
 - 9.7.1 Chengde Tianda Vanadium Industry Details
 - 9.7.2 Chengde Tianda Vanadium Industry Major Business
 - 9.7.3 Chengde Tianda Vanadium Industry Molybdenum-Based Binary Alloys Product and Services
 - 9.7.4 Chengde Tianda Vanadium Industry Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Chengde Tianda Vanadium Industry Recent Developments/Updates
 - 9.7.6 Chengde Tianda Vanadium Industry Competitive Strengths & Weaknesses
- 9.8 Lizhong Sitong Light Alloys
 - 9.8.1 Lizhong Sitong Light Alloys Details
 - 9.8.2 Lizhong Sitong Light Alloys Major Business
 - 9.8.3 Lizhong Sitong Light Alloys Molybdenum-Based Binary Alloys Product and Services
 - 9.8.4 Lizhong Sitong Light Alloys Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Lizhong Sitong Light Alloys Recent Developments/Updates
 - 9.8.6 Lizhong Sitong Light Alloys Competitive Strengths & Weaknesses
- 9.9 Baoji Jiacheng Rare Metal Materials

- 9.9.1 Baoji Jiacheng Rare Metal Materials Details
- 9.9.2 Baoji Jiacheng Rare Metal Materials Major Business
- 9.9.3 Baoji Jiacheng Rare Metal Materials Molybdenum-Based Binary Alloys Product and Services
- 9.9.4 Baoji Jiacheng Rare Metal Materials Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.9.5 Baoji Jiacheng Rare Metal Materials Recent Developments/Updates
- 9.9.6 Baoji Jiacheng Rare Metal Materials Competitive Strengths & Weaknesses
- 9.10 Dalian BHN Special Materials
 - 9.10.1 Dalian BHN Special Materials Details
 - 9.10.2 Dalian BHN Special Materials Major Business
 - 9.10.3 Dalian BHN Special Materials Molybdenum-Based Binary Alloys Product and Services
 - 9.10.4 Dalian BHN Special Materials Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Dalian BHN Special Materials Recent Developments/Updates
 - 9.10.6 Dalian BHN Special Materials Competitive Strengths & Weaknesses
- 9.11 ZS Advanced Materials
 - 9.11.1 ZS Advanced Materials Details
 - 9.11.2 ZS Advanced Materials Major Business
 - 9.11.3 ZS Advanced Materials Molybdenum-Based Binary Alloys Product and Services
 - 9.11.4 ZS Advanced Materials Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 ZS Advanced Materials Recent Developments/Updates
 - 9.11.6 ZS Advanced Materials Competitive Strengths & Weaknesses
- 9.12 Baoji Chenyan Metal Materials
 - 9.12.1 Baoji Chenyan Metal Materials Details
 - 9.12.2 Baoji Chenyan Metal Materials Major Business
 - 9.12.3 Baoji Chenyan Metal Materials Molybdenum-Based Binary Alloys Product and Services
 - 9.12.4 Baoji Chenyan Metal Materials Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Baoji Chenyan Metal Materials Recent Developments/Updates
 - 9.12.6 Baoji Chenyan Metal Materials Competitive Strengths & Weaknesses
- 9.13 Advanced Refractory Metals
 - 9.13.1 Advanced Refractory Metals Details
 - 9.13.2 Advanced Refractory Metals Major Business
 - 9.13.3 Advanced Refractory Metals Molybdenum-Based Binary Alloys Product and Services

- 9.13.4 Advanced Refractory Metals Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.13.5 Advanced Refractory Metals Recent Developments/Updates
- 9.13.6 Advanced Refractory Metals Competitive Strengths & Weaknesses
- 9.14 KBM Affilips
 - 9.14.1 KBM Affilips Details
 - 9.14.2 KBM Affilips Major Business
 - 9.14.3 KBM Affilips Molybdenum-Based Binary Alloys Product and Services
 - 9.14.4 KBM Affilips Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 KBM Affilips Recent Developments/Updates
 - 9.14.6 KBM Affilips Competitive Strengths & Weaknesses
- 9.15 High Broad New Material
 - 9.15.1 High Broad New Material Details
 - 9.15.2 High Broad New Material Major Business
 - 9.15.3 High Broad New Material Molybdenum-Based Binary Alloys Product and Services
 - 9.15.4 High Broad New Material Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 High Broad New Material Recent Developments/Updates
 - 9.15.6 High Broad New Material Competitive Strengths & Weaknesses
- 9.16 Advanced Technology & Materials
 - 9.16.1 Advanced Technology & Materials Details
 - 9.16.2 Advanced Technology & Materials Major Business
 - 9.16.3 Advanced Technology & Materials Molybdenum-Based Binary Alloys Product and Services
 - 9.16.4 Advanced Technology & Materials Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Advanced Technology & Materials Recent Developments/Updates
 - 9.16.6 Advanced Technology & Materials Competitive Strengths & Weaknesses
- 9.17 Plansee
 - 9.17.1 Plansee Details
 - 9.17.2 Plansee Major Business
 - 9.17.3 Plansee Molybdenum-Based Binary Alloys Product and Services
 - 9.17.4 Plansee Molybdenum-Based Binary Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Plansee Recent Developments/Updates
 - 9.17.6 Plansee Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Molybdenum-Based Binary Alloys Industry Chain
- 10.2 Molybdenum-Based Binary Alloys Upstream Analysis
 - 10.2.1 Molybdenum-Based Binary Alloys Core Raw Materials
 - 10.2.2 Main Manufacturers of Molybdenum-Based Binary Alloys Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Molybdenum-Based Binary Alloys Production Mode
- 10.6 Molybdenum-Based Binary Alloys Procurement Model
- 10.7 Molybdenum-Based Binary Alloys Industry Sales Model and Sales Channels
 - 10.7.1 Molybdenum-Based Binary Alloys Sales Model
 - 10.7.2 Molybdenum-Based Binary Alloys Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Molybdenum-Based Binary Alloys Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Molybdenum-Based Binary Alloys Production Value by Region (2021-2026) & (USD Million)

Table 3. World Molybdenum-Based Binary Alloys Production Value by Region (2027-2032) & (USD Million)

Table 4. World Molybdenum-Based Binary Alloys Production Value Market Share by Region (2021-2026)

Table 5. World Molybdenum-Based Binary Alloys Production Value Market Share by Region (2027-2032)

Table 6. World Molybdenum-Based Binary Alloys Production by Region (2021-2026) & (Tons)

Table 7. World Molybdenum-Based Binary Alloys Production by Region (2027-2032) & (Tons)

Table 8. World Molybdenum-Based Binary Alloys Production Market Share by Region (2021-2026)

Table 9. World Molybdenum-Based Binary Alloys Production Market Share by Region (2027-2032)

Table 10. World Molybdenum-Based Binary Alloys Average Price by Region (2021-2026) & (US\$/kg)

Table 11. World Molybdenum-Based Binary Alloys Average Price by Region (2027-2032) & (US\$/kg)

Table 12. Molybdenum-Based Binary Alloys Major Market Trends

Table 13. World Molybdenum-Based Binary Alloys Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Molybdenum-Based Binary Alloys Consumption by Region (2021-2026) & (Tons)

Table 15. World Molybdenum-Based Binary Alloys Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Molybdenum-Based Binary Alloys Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Molybdenum-Based Binary Alloys Producers in 2025

Table 18. World Molybdenum-Based Binary Alloys Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Molybdenum-Based Binary Alloys Producers in 2025

Table 20. World Molybdenum-Based Binary Alloys Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 21. Global Molybdenum-Based Binary Alloys Company Evaluation Quadrant

Table 22. World Molybdenum-Based Binary Alloys Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Molybdenum-Based Binary Alloys Production Site of Key Manufacturer

Table 24. Molybdenum-Based Binary Alloys Market: Company Product Type Footprint

Table 25. Molybdenum-Based Binary Alloys Market: Company Product Application Footprint

Table 26. Molybdenum-Based Binary Alloys Competitive Factors

Table 27. Molybdenum-Based Binary Alloys New Entrant and Capacity Expansion Plans

Table 28. Molybdenum-Based Binary Alloys Mergers & Acquisitions Activity

Table 29. United States VS China Molybdenum-Based Binary Alloys Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Molybdenum-Based Binary Alloys Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Molybdenum-Based Binary Alloys Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Molybdenum-Based Binary Alloys Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Molybdenum-Based Binary Alloys Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Molybdenum-Based Binary Alloys Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Molybdenum-Based Binary Alloys Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Molybdenum-Based Binary Alloys Production Market Share (2021-2026)

Table 37. China Based Molybdenum-Based Binary Alloys Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Molybdenum-Based Binary Alloys Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Molybdenum-Based Binary Alloys Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Molybdenum-Based Binary Alloys Production,

(2021-2026) & (Tons)

Table 41. China Based Manufacturers Molybdenum-Based Binary Alloys Production Market Share (2021-2026)

Table 42. Rest of World Based Molybdenum-Based Binary Alloys Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production Market Share (2021-2026)

Table 47. World Molybdenum-Based Binary Alloys Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Molybdenum-Based Binary Alloys Production by Type (2021-2026) & (Tons)

Table 49. World Molybdenum-Based Binary Alloys Production by Type (2027-2032) & (Tons)

Table 50. World Molybdenum-Based Binary Alloys Production Value by Type (2021-2026) & (USD Million)

Table 51. World Molybdenum-Based Binary Alloys Production Value by Type (2027-2032) & (USD Million)

Table 52. World Molybdenum-Based Binary Alloys Average Price by Type (2021-2026) & (US\$/kg)

Table 53. World Molybdenum-Based Binary Alloys Average Price by Type (2027-2032) & (US\$/kg)

Table 54. World Molybdenum-Based Binary Alloys Production Value by Grade, (USD Million), 2021 & 2025 & 2032

Table 55. World Molybdenum-Based Binary Alloys Production by Grade (2021-2026) & (Tons)

Table 56. World Molybdenum-Based Binary Alloys Production by Grade (2027-2032) & (Tons)

Table 57. World Molybdenum-Based Binary Alloys Production Value by Grade (2021-2026) & (USD Million)

Table 58. World Molybdenum-Based Binary Alloys Production Value by Grade (2027-2032) & (USD Million)

Table 59. World Molybdenum-Based Binary Alloys Average Price by Grade (2021-2026) & (US\$/kg)

Table 60. World Molybdenum-Based Binary Alloys Average Price by Grade (2027-2032) & (US\$/kg)

Table 61. World Molybdenum-Based Binary Alloys Production Value by Form, (USD Million), 2021 & 2025 & 2032

Table 62. World Molybdenum-Based Binary Alloys Production by Form (2021-2026) & (Tons)

Table 63. World Molybdenum-Based Binary Alloys Production by Form (2027-2032) & (Tons)

Table 64. World Molybdenum-Based Binary Alloys Production Value by Form (2021-2026) & (USD Million)

Table 65. World Molybdenum-Based Binary Alloys Production Value by Form (2027-2032) & (USD Million)

Table 66. World Molybdenum-Based Binary Alloys Average Price by Form (2021-2026) & (US\$/kg)

Table 67. World Molybdenum-Based Binary Alloys Average Price by Form (2027-2032) & (US\$/kg)

Table 68. World Molybdenum-Based Binary Alloys Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Molybdenum-Based Binary Alloys Production by Application (2021-2026) & (Tons)

Table 70. World Molybdenum-Based Binary Alloys Production by Application (2027-2032) & (Tons)

Table 71. World Molybdenum-Based Binary Alloys Production Value by Application (2021-2026) & (USD Million)

Table 72. World Molybdenum-Based Binary Alloys Production Value by Application (2027-2032) & (USD Million)

Table 73. World Molybdenum-Based Binary Alloys Average Price by Application (2021-2026) & (US\$/kg)

Table 74. World Molybdenum-Based Binary Alloys Average Price by Application (2027-2032) & (US\$/kg)

Table 75. AMG Basic Information, Manufacturing Base and Competitors

Table 76. AMG Major Business

Table 77. AMG Molybdenum-Based Binary Alloys Product and Services

Table 78. AMG Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. AMG Recent Developments/Updates

Table 80. AMG Competitive Strengths & Weaknesses

Table 81. BaoTi Group Basic Information, Manufacturing Base and Competitors

Table 82. BaoTi Group Major Business

Table 83. BaoTi Group Molybdenum-Based Binary Alloys Product and Services
Table 84. BaoTi Group Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. BaoTi Group Recent Developments/Updates
Table 86. BaoTi Group Competitive Strengths & Weaknesses
Table 87. Kymera International Basic Information, Manufacturing Base and Competitors
Table 88. Kymera International Major Business
Table 89. Kymera International Molybdenum-Based Binary Alloys Product and Services
Table 90. Kymera International Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. Kymera International Recent Developments/Updates
Table 92. Kymera International Competitive Strengths & Weaknesses
Table 93. Avon Metals Basic Information, Manufacturing Base and Competitors
Table 94. Avon Metals Major Business
Table 95. Avon Metals Molybdenum-Based Binary Alloys Product and Services
Table 96. Avon Metals Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Avon Metals Recent Developments/Updates
Table 98. Avon Metals Competitive Strengths & Weaknesses
Table 99. Pangang Group Vanadium & Titanium Resources Basic Information, Manufacturing Base and Competitors
Table 100. Pangang Group Vanadium & Titanium Resources Major Business
Table 101. Pangang Group Vanadium & Titanium Resources Molybdenum-Based Binary Alloys Product and Services
Table 102. Pangang Group Vanadium & Titanium Resources Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Pangang Group Vanadium & Titanium Resources Recent Developments/Updates
Table 104. Pangang Group Vanadium & Titanium Resources Competitive Strengths & Weaknesses
Table 105. Jinzhou Aohan Metal Basic Information, Manufacturing Base and Competitors
Table 106. Jinzhou Aohan Metal Major Business
Table 107. Jinzhou Aohan Metal Molybdenum-Based Binary Alloys Product and Services
Table 108. Jinzhou Aohan Metal Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 109. Jinzhou Aohan Metal Recent Developments/Updates

Table 110. Jinzhou Aohan Metal Competitive Strengths & Weaknesses

Table 111. Chengde Tianda Vanadium Industry Basic Information, Manufacturing Base and Competitors

Table 112. Chengde Tianda Vanadium Industry Major Business

Table 113. Chengde Tianda Vanadium Industry Molybdenum-Based Binary Alloys Product and Services

Table 114. Chengde Tianda Vanadium Industry Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Chengde Tianda Vanadium Industry Recent Developments/Updates

Table 116. Chengde Tianda Vanadium Industry Competitive Strengths & Weaknesses

Table 117. Lizhong Sitong Light Alloys Basic Information, Manufacturing Base and Competitors

Table 118. Lizhong Sitong Light Alloys Major Business

Table 119. Lizhong Sitong Light Alloys Molybdenum-Based Binary Alloys Product and Services

Table 120. Lizhong Sitong Light Alloys Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Lizhong Sitong Light Alloys Recent Developments/Updates

Table 122. Lizhong Sitong Light Alloys Competitive Strengths & Weaknesses

Table 123. Baoji Jiacheng Rare Metal Materials Basic Information, Manufacturing Base and Competitors

Table 124. Baoji Jiacheng Rare Metal Materials Major Business

Table 125. Baoji Jiacheng Rare Metal Materials Molybdenum-Based Binary Alloys Product and Services

Table 126. Baoji Jiacheng Rare Metal Materials Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Baoji Jiacheng Rare Metal Materials Recent Developments/Updates

Table 128. Baoji Jiacheng Rare Metal Materials Competitive Strengths & Weaknesses

Table 129. Dalian BHN Special Materials Basic Information, Manufacturing Base and Competitors

Table 130. Dalian BHN Special Materials Major Business

Table 131. Dalian BHN Special Materials Molybdenum-Based Binary Alloys Product and Services

Table 132. Dalian BHN Special Materials Molybdenum-Based Binary Alloys Production

(Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Dalian BHN Special Materials Recent Developments/Updates

Table 134. Dalian BHN Special Materials Competitive Strengths & Weaknesses

Table 135. ZS Advanced Materials Basic Information, Manufacturing Base and Competitors

Table 136. ZS Advanced Materials Major Business

Table 137. ZS Advanced Materials Molybdenum-Based Binary Alloys Product and Services

Table 138. ZS Advanced Materials Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. ZS Advanced Materials Recent Developments/Updates

Table 140. ZS Advanced Materials Competitive Strengths & Weaknesses

Table 141. Baoji Chenyan Metal Materials Basic Information, Manufacturing Base and Competitors

Table 142. Baoji Chenyan Metal Materials Major Business

Table 143. Baoji Chenyan Metal Materials Molybdenum-Based Binary Alloys Product and Services

Table 144. Baoji Chenyan Metal Materials Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Baoji Chenyan Metal Materials Recent Developments/Updates

Table 146. Baoji Chenyan Metal Materials Competitive Strengths & Weaknesses

Table 147. Advanced Refractory Metals Basic Information, Manufacturing Base and Competitors

Table 148. Advanced Refractory Metals Major Business

Table 149. Advanced Refractory Metals Molybdenum-Based Binary Alloys Product and Services

Table 150. Advanced Refractory Metals Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Advanced Refractory Metals Recent Developments/Updates

Table 152. Advanced Refractory Metals Competitive Strengths & Weaknesses

Table 153. KBM Affilips Basic Information, Manufacturing Base and Competitors

Table 154. KBM Affilips Major Business

Table 155. KBM Affilips Molybdenum-Based Binary Alloys Product and Services

Table 156. KBM Affilips Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. KBM Affilips Recent Developments/Updates
Table 158. KBM Affilips Competitive Strengths & Weaknesses
Table 159. High Broad New Material Basic Information, Manufacturing Base and Competitors
Table 160. High Broad New Material Major Business
Table 161. High Broad New Material Molybdenum-Based Binary Alloys Product and Services
Table 162. High Broad New Material Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 163. High Broad New Material Recent Developments/Updates
Table 164. High Broad New Material Competitive Strengths & Weaknesses
Table 165. Advanced Technology & Materials Basic Information, Manufacturing Base and Competitors
Table 166. Advanced Technology & Materials Major Business
Table 167. Advanced Technology & Materials Molybdenum-Based Binary Alloys Product and Services
Table 168. Advanced Technology & Materials Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 169. Advanced Technology & Materials Recent Developments/Updates
Table 170. Advanced Technology & Materials Competitive Strengths & Weaknesses
Table 171. Plansee Basic Information, Manufacturing Base and Competitors
Table 172. Plansee Major Business
Table 173. Plansee Molybdenum-Based Binary Alloys Product and Services
Table 174. Plansee Molybdenum-Based Binary Alloys Production (Tons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 175. Plansee Recent Developments/Updates
Table 176. Plansee Competitive Strengths & Weaknesses
Table 177. Global Key Players of Molybdenum-Based Binary Alloys Upstream (Raw Materials)
Table 178. Global Molybdenum-Based Binary Alloys Typical Customers
Table 179. Molybdenum-Based Binary Alloys Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Molybdenum-Based Binary Alloys Picture

Figure 2. World Molybdenum-Based Binary Alloys Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Molybdenum-Based Binary Alloys Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Molybdenum-Based Binary Alloys Production (2021-2032) & (Tons)

Figure 5. World Molybdenum-Based Binary Alloys Average Price (2021-2032) & (US\$/kg)

Figure 6. World Molybdenum-Based Binary Alloys Production Value Market Share by Region (2021-2032)

Figure 7. World Molybdenum-Based Binary Alloys Production Market Share by Region (2021-2032)

Figure 8. North America Molybdenum-Based Binary Alloys Production (2021-2032) & (Tons)

Figure 9. Europe Molybdenum-Based Binary Alloys Production (2021-2032) & (Tons)

Figure 10. China Molybdenum-Based Binary Alloys Production (2021-2032) & (Tons)

Figure 11. Molybdenum-Based Binary Alloys Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 14. World Molybdenum-Based Binary Alloys Consumption Market Share by Region (2021-2032)

Figure 15. United States Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 16. China Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 17. Europe Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 18. Japan Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 19. South Korea Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 20. ASEAN Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 21. India Molybdenum-Based Binary Alloys Consumption (2021-2032) & (Tons)

Figure 22. Producer Shipments of Molybdenum-Based Binary Alloys by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 23. Global Four-firm Concentration Ratios (CR4) for Molybdenum-Based Binary

Alloys Markets in 2025

Figure 24. Global Four-firm Concentration Ratios (CR8) for Molybdenum-Based Binary Alloys Markets in 2025

Figure 25. United States VS China: Molybdenum-Based Binary Alloys Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 26. United States VS China: Molybdenum-Based Binary Alloys Production Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Molybdenum-Based Binary Alloys Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States Based Manufacturers Molybdenum-Based Binary Alloys Production Market Share 2025

Figure 29. China Based Manufacturers Molybdenum-Based Binary Alloys Production Market Share 2025

Figure 30. Rest of World Based Manufacturers Molybdenum-Based Binary Alloys Production Market Share 2025

Figure 31. World Molybdenum-Based Binary Alloys Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 32. World Molybdenum-Based Binary Alloys Production Value Market Share by Type in 2025

Figure 33. Molybdenum-Aluminum Alloy

Figure 34. Molybdenum-Tungsten Alloy

Figure 35. Molybdenum-Rhenium Alloy

Figure 36. Molybdenum-Copper Alloy

Figure 37. Other

Figure 38. World Molybdenum-Based Binary Alloys Production Market Share by Type (2021-2032)

Figure 39. World Molybdenum-Based Binary Alloys Production Value Market Share by Type (2021-2032)

Figure 40. World Molybdenum-Based Binary Alloys Average Price by Type (2021-2032) & (US\$/kg)

Figure 41. World Molybdenum-Based Binary Alloys Production Value by Grade, (USD Million), 2021 & 2025 & 2032

Figure 42. World Molybdenum-Based Binary Alloys Production Value Market Share by Grade in 2025

Figure 43. High Molybdenum Content

Figure 44. Low Molybdenum Content

Figure 45. World Molybdenum-Based Binary Alloys Production Market Share by Grade (2021-2032)

Figure 46. World Molybdenum-Based Binary Alloys Production Value Market Share by

Grade (2021-2032)

Figure 47. World Molybdenum-Based Binary Alloys Average Price by Grade (2021-2032) & (US\$/kg)

Figure 48. World Molybdenum-Based Binary Alloys Production Value by Form, (USD Million), 2021 & 2025 & 2032

Figure 49. World Molybdenum-Based Binary Alloys Production Value Market Share by Form in 2025

Figure 50. Blocky

Figure 51. Granular

Figure 52. Others

Figure 53. World Molybdenum-Based Binary Alloys Production Market Share by Form (2021-2032)

Figure 54. World Molybdenum-Based Binary Alloys Production Value Market Share by Form (2021-2032)

Figure 55. World Molybdenum-Based Binary Alloys Average Price by Form (2021-2032) & (US\$/kg)

Figure 56. World Molybdenum-Based Binary Alloys Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Molybdenum-Based Binary Alloys Production Value Market Share by Application in 2025

Figure 58. Aerospace

Figure 59. Military Industry

Figure 60. Electronics and Semiconductors

Figure 61. Nuclear Industry

Figure 62. Other

Figure 63. World Molybdenum-Based Binary Alloys Production Market Share by Application (2021-2032)

Figure 64. World Molybdenum-Based Binary Alloys Production Value Market Share by Application (2021-2032)

Figure 65. World Molybdenum-Based Binary Alloys Average Price by Application (2021-2032) & (US\$/kg)

Figure 66. Molybdenum-Based Binary Alloys Industry Chain

Figure 67. Molybdenum-Based Binary Alloys Procurement Model

Figure 68. Molybdenum-Based Binary Alloys Sales Model

Figure 69. Molybdenum-Based Binary Alloys Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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