

# Global Binary Ti-Al Alloys Market Growth 2023-2029

<https://marketpublishers.com/r/GA5540D34969EN.html>

Date: October 2023

Pages: 106

Price: US\$ 3,660.00 (Single User License)

ID: GA5540D34969EN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Binary Ti-Al Alloys market size was valued at US\$ 3170.5 million in 2022. With growing demand in downstream market, the Binary Ti-Al Alloys is forecast to a readjusted size of US\$ 6733 million by 2029 with a CAGR of 11.4% during review period.

The research report highlights the growth potential of the global Binary Ti-Al Alloys market. Binary Ti-Al Alloys are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Binary Ti-Al Alloys. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Binary Ti-Al Alloys market.

Binary Ti-Al Alloys are a class of titanium aluminide alloys composed primarily of titanium (Ti) and aluminum (Al), with little to no addition of other alloying elements.

Binary Ti-Al Alloys have excellent strength and low density, making them attractive for lightweight designs. Research and development efforts are currently focused on improving the strength and durability of Binary Ti-Al Alloys to meet the ever-increasing requirements for high performance and lightweighting. Binary Binary Ti-Al Alloys remain stable at high temperatures and are therefore used in aero-engine and aerospace applications for high temperature components such as turbine blades and gas turbine parts. Future developments may include improving the high temperature properties of the alloy to cope with more demanding environments. Binary titanium-aluminium alloys have good corrosion resistance, but some applications require higher corrosion resistance. Researchers are looking for ways to improve the alloy's corrosion resistance

to expand its applications. Overall, binary titanium-aluminium alloys are promising for a wide range of applications in a number of fields, and as a result research and development in materials science and manufacturing technology continues. These trends reflect the need for higher performance, sustainability and versatility to meet evolving market demands.

#### Key Features:

The report on Binary Ti-Al Alloys market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Binary Ti-Al Alloys market. It may include historical data, market segmentation by Type (e.g.,  $\alpha$ -Ti<sub>3</sub>Al,  $\beta$ -TiAl), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Binary Ti-Al Alloys market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Binary Ti-Al Alloys market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Binary Ti-Al Alloys industry. This include advancements in Binary Ti-Al Alloys technology, Binary Ti-Al Alloys new entrants, Binary Ti-Al Alloys new investment, and other innovations that are shaping the future of Binary Ti-Al Alloys.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Binary Ti-Al Alloys market. It includes factors influencing customer ' purchasing decisions, preferences for Binary Ti-Al Alloys product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Binary Ti-Al Alloys market. This may include

an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Binary Ti-Al Alloys market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Binary Ti-Al Alloys market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Binary Ti-Al Alloys industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Binary Ti-Al Alloys market.

**Market Segmentation:**

Binary Ti-Al Alloys 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.

**Segmentation by type**

?2-Ti3Al

?-TiAl

?-TiAl

**Segmentation by application**

Automotive

Aerospace

Power & Energy

Medical

Defence

Sports

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

ATI

VSMPO-AVISMA

Precision Castparts Corp

Western Superconducting

Howmet Aerospace (Alcoa)

carpentertechnology

DaidoSteel

AMG

KBMAffilips

Timet

Special Metals Corporation

Norsk Titanium

Aperam Alloys Imphy

Kobe Steel, Ltd. (Kobelco)

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Binary Ti-Al Alloys market?

What factors are driving Binary Ti-Al Alloys market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Binary Ti-Al Alloys market opportunities vary by end market size?

How does Binary Ti-Al Alloys break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Binary Ti-Al Alloys Annual Sales 2018-2029
  - 2.1.2 World Current & Future Analysis for Binary Ti-Al Alloys by Geographic Region, 2018, 2022 & 2029
  - 2.1.3 World Current & Future Analysis for Binary Ti-Al Alloys by Country/Region, 2018, 2022 & 2029
- 2.2 Binary Ti-Al Alloys Segment by Type
  - 2.2.1  $\alpha$ -Ti<sub>3</sub>Al
  - 2.2.2  $\beta$ -TiAl
  - 2.2.3  $\gamma$ -TiAl
- 2.3 Binary Ti-Al Alloys Sales by Type
  - 2.3.1 Global Binary Ti-Al Alloys Sales Market Share by Type (2018-2023)
  - 2.3.2 Global Binary Ti-Al Alloys Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global Binary Ti-Al Alloys Sale Price by Type (2018-2023)
- 2.4 Binary Ti-Al Alloys Segment by Application
  - 2.4.1 Automotive
  - 2.4.2 Aerospace
  - 2.4.3 Power & Energy
  - 2.4.4 Medical
  - 2.4.5 Defence
  - 2.4.6 Sports
  - 2.4.7 Others
- 2.5 Binary Ti-Al Alloys Sales by Application
  - 2.5.1 Global Binary Ti-Al Alloys Sale Market Share by Application (2018-2023)

2.5.2 Global Binary Ti-Al Alloys Revenue and Market Share by Application (2018-2023)

2.5.3 Global Binary Ti-Al Alloys Sale Price by Application (2018-2023)

### **3 GLOBAL BINARY TI-AL ALLOYS BY COMPANY**

3.1 Global Binary Ti-Al Alloys Breakdown Data by Company

3.1.1 Global Binary Ti-Al Alloys Annual Sales by Company (2018-2023)

3.1.2 Global Binary Ti-Al Alloys Sales Market Share by Company (2018-2023)

3.2 Global Binary Ti-Al Alloys Annual Revenue by Company (2018-2023)

3.2.1 Global Binary Ti-Al Alloys Revenue by Company (2018-2023)

3.2.2 Global Binary Ti-Al Alloys Revenue Market Share by Company (2018-2023)

3.3 Global Binary Ti-Al Alloys Sale Price by Company

3.4 Key Manufacturers Binary Ti-Al Alloys Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Binary Ti-Al Alloys Product Location Distribution

3.4.2 Players Binary Ti-Al Alloys Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR BINARY TI-AL ALLOYS BY GEOGRAPHIC REGION**

4.1 World Historic Binary Ti-Al Alloys Market Size by Geographic Region (2018-2023)

4.1.1 Global Binary Ti-Al Alloys Annual Sales by Geographic Region (2018-2023)

4.1.2 Global Binary Ti-Al Alloys Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic Binary Ti-Al Alloys Market Size by Country/Region (2018-2023)

4.2.1 Global Binary Ti-Al Alloys Annual Sales by Country/Region (2018-2023)

4.2.2 Global Binary Ti-Al Alloys Annual Revenue by Country/Region (2018-2023)

4.3 Americas Binary Ti-Al Alloys Sales Growth

4.4 APAC Binary Ti-Al Alloys Sales Growth

4.5 Europe Binary Ti-Al Alloys Sales Growth

4.6 Middle East & Africa Binary Ti-Al Alloys Sales Growth

### **5 AMERICAS**



## 5.1 Americas Binary Ti-Al Alloys Sales by Country

5.1.1 Americas Binary Ti-Al Alloys Sales by Country (2018-2023)

5.1.2 Americas Binary Ti-Al Alloys Revenue by Country (2018-2023)

## 5.2 Americas Binary Ti-Al Alloys Sales by Type

## 5.3 Americas Binary Ti-Al Alloys Sales by Application

### 5.4 United States

### 5.5 Canada

### 5.6 Mexico

### 5.7 Brazil

## 6 APAC

## 6.1 APAC Binary Ti-Al Alloys Sales by Region

6.1.1 APAC Binary Ti-Al Alloys Sales by Region (2018-2023)

6.1.2 APAC Binary Ti-Al Alloys Revenue by Region (2018-2023)

## 6.2 APAC Binary Ti-Al Alloys Sales by Type

## 6.3 APAC Binary Ti-Al Alloys Sales by Application

### 6.4 China

### 6.5 Japan

### 6.6 South Korea

### 6.7 Southeast Asia

### 6.8 India

### 6.9 Australia

### 6.10 China Taiwan

## 7 EUROPE

## 7.1 Europe Binary Ti-Al Alloys by Country

7.1.1 Europe Binary Ti-Al Alloys Sales by Country (2018-2023)

7.1.2 Europe Binary Ti-Al Alloys Revenue by Country (2018-2023)

## 7.2 Europe Binary Ti-Al Alloys Sales by Type

## 7.3 Europe Binary Ti-Al Alloys Sales by Application

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## 8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Binary Ti-Al Alloys by Country
  - 8.1.1 Middle East & Africa Binary Ti-Al Alloys Sales by Country (2018-2023)
  - 8.1.2 Middle East & Africa Binary Ti-Al Alloys Revenue by Country (2018-2023)
- 8.2 Middle East & Africa Binary Ti-Al Alloys Sales by Type
- 8.3 Middle East & Africa Binary Ti-Al Alloys Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Binary Ti-Al Alloys
- 10.3 Manufacturing Process Analysis of Binary Ti-Al Alloys
- 10.4 Industry Chain Structure of Binary Ti-Al Alloys

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Binary Ti-Al Alloys Distributors
- 11.3 Binary Ti-Al Alloys Customer

## **12 WORLD FORECAST REVIEW FOR BINARY TI-AL ALLOYS BY GEOGRAPHIC REGION**

- 12.1 Global Binary Ti-Al Alloys Market Size Forecast by Region
  - 12.1.1 Global Binary Ti-Al Alloys Forecast by Region (2024-2029)
  - 12.1.2 Global Binary Ti-Al Alloys Annual Revenue Forecast by Region (2024-2029)

- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Binary Ti-Al Alloys Forecast by Type
- 12.7 Global Binary Ti-Al Alloys Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

### 13.1 ATI

- 13.1.1 ATI Company Information
- 13.1.2 ATI Binary Ti-Al Alloys Product Portfolios and Specifications
- 13.1.3 ATI Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.1.4 ATI Main Business Overview
- 13.1.5 ATI Latest Developments

### 13.2 VSMPO-AVISMA

- 13.2.1 VSMPO-AVISMA Company Information
- 13.2.2 VSMPO-AVISMA Binary Ti-Al Alloys Product Portfolios and Specifications
- 13.2.3 VSMPO-AVISMA Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.2.4 VSMPO-AVISMA Main Business Overview
- 13.2.5 VSMPO-AVISMA Latest Developments

### 13.3 Precision Castparts Corp

- 13.3.1 Precision Castparts Corp Company Information
- 13.3.2 Precision Castparts Corp Binary Ti-Al Alloys Product Portfolios and Specifications
- 13.3.3 Precision Castparts Corp Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.3.4 Precision Castparts Corp Main Business Overview
- 13.3.5 Precision Castparts Corp Latest Developments

### 13.4 Western Superconducting

- 13.4.1 Western Superconducting Company Information
- 13.4.2 Western Superconducting Binary Ti-Al Alloys Product Portfolios and Specifications
- 13.4.3 Western Superconducting Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.4.4 Western Superconducting Main Business Overview
- 13.4.5 Western Superconducting Latest Developments

### 13.5 Howmet Aerospace (Alcoa)

- 13.5.1 Howmet Aerospace (Alcoa) Company Information
- 13.5.2 Howmet Aerospace (Alcoa) Binary Ti-Al Alloys Product Portfolios and Specifications
- 13.5.3 Howmet Aerospace (Alcoa) Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.5.4 Howmet Aerospace (Alcoa) Main Business Overview
- 13.5.5 Howmet Aerospace (Alcoa) Latest Developments
- 13.6 carpentertechnology
  - 13.6.1 carpentertechnology Company Information
  - 13.6.2 carpentertechnology Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.6.3 carpentertechnology Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.6.4 carpentertechnology Main Business Overview
  - 13.6.5 carpentertechnology Latest Developments
- 13.7 DaidoSteel
  - 13.7.1 DaidoSteel Company Information
  - 13.7.2 DaidoSteel Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.7.3 DaidoSteel Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.7.4 DaidoSteel Main Business Overview
  - 13.7.5 DaidoSteel Latest Developments
- 13.8 AMG
  - 13.8.1 AMG Company Information
  - 13.8.2 AMG Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.8.3 AMG Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.8.4 AMG Main Business Overview
  - 13.8.5 AMG Latest Developments
- 13.9 KBMAffilips
  - 13.9.1 KBMAffilips Company Information
  - 13.9.2 KBMAffilips Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.9.3 KBMAffilips Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.9.4 KBMAffilips Main Business Overview
  - 13.9.5 KBMAffilips Latest Developments
- 13.10 Timet
  - 13.10.1 Timet Company Information
  - 13.10.2 Timet Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.10.3 Timet Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.10.4 Timet Main Business Overview
- 13.10.5 Timet Latest Developments
- 13.11 Special Metals Corporation
  - 13.11.1 Special Metals Corporation Company Information
  - 13.11.2 Special Metals Corporation Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.11.3 Special Metals Corporation Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.11.4 Special Metals Corporation Main Business Overview
  - 13.11.5 Special Metals Corporation Latest Developments
- 13.12 Norsk Titanium
  - 13.12.1 Norsk Titanium Company Information
  - 13.12.2 Norsk Titanium Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.12.3 Norsk Titanium Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.12.4 Norsk Titanium Main Business Overview
  - 13.12.5 Norsk Titanium Latest Developments
- 13.13 Aperam Alloys Imphy
  - 13.13.1 Aperam Alloys Imphy Company Information
  - 13.13.2 Aperam Alloys Imphy Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.13.3 Aperam Alloys Imphy Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.13.4 Aperam Alloys Imphy Main Business Overview
  - 13.13.5 Aperam Alloys Imphy Latest Developments
- 13.14 Kobe Steel, Ltd. (Kobelco)
  - 13.14.1 Kobe Steel, Ltd. (Kobelco) Company Information
  - 13.14.2 Kobe Steel, Ltd. (Kobelco) Binary Ti-Al Alloys Product Portfolios and Specifications
  - 13.14.3 Kobe Steel, Ltd. (Kobelco) Binary Ti-Al Alloys Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.14.4 Kobe Steel, Ltd. (Kobelco) Main Business Overview
  - 13.14.5 Kobe Steel, Ltd. (Kobelco) Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Binary Ti-Al Alloys Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Table 2. Binary Ti-Al Alloys Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)
- Table 3. Major Players of  $\alpha$ -Ti<sub>3</sub>Al
- Table 4. Major Players of  $\beta$ -TiAl
- Table 5. Major Players of  $\gamma$ -TiAl
- Table 6. Global Binary Ti-Al Alloys Sales by Type (2018-2023) & (Tons)
- Table 7. Global Binary Ti-Al Alloys Sales Market Share by Type (2018-2023)
- Table 8. Global Binary Ti-Al Alloys Revenue by Type (2018-2023) & (\$ million)
- Table 9. Global Binary Ti-Al Alloys Revenue Market Share by Type (2018-2023)
- Table 10. Global Binary Ti-Al Alloys Sale Price by Type (2018-2023) & (US\$/Ton)
- Table 11. Global Binary Ti-Al Alloys Sales by Application (2018-2023) & (Tons)
- Table 12. Global Binary Ti-Al Alloys Sales Market Share by Application (2018-2023)
- Table 13. Global Binary Ti-Al Alloys Revenue by Application (2018-2023)
- Table 14. Global Binary Ti-Al Alloys Revenue Market Share by Application (2018-2023)
- Table 15. Global Binary Ti-Al Alloys Sale Price by Application (2018-2023) & (US\$/Ton)
- Table 16. Global Binary Ti-Al Alloys Sales by Company (2018-2023) & (Tons)
- Table 17. Global Binary Ti-Al Alloys Sales Market Share by Company (2018-2023)
- Table 18. Global Binary Ti-Al Alloys Revenue by Company (2018-2023) (\$ Millions)
- Table 19. Global Binary Ti-Al Alloys Revenue Market Share by Company (2018-2023)
- Table 20. Global Binary Ti-Al Alloys Sale Price by Company (2018-2023) & (US\$/Ton)
- Table 21. Key Manufacturers Binary Ti-Al Alloys Producing Area Distribution and Sales Area
- Table 22. Players Binary Ti-Al Alloys Products Offered
- Table 23. Binary Ti-Al Alloys Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Binary Ti-Al Alloys Sales by Geographic Region (2018-2023) & (Tons)
- Table 27. Global Binary Ti-Al Alloys Sales Market Share Geographic Region (2018-2023)
- Table 28. Global Binary Ti-Al Alloys Revenue by Geographic Region (2018-2023) & (\$ millions)
- Table 29. Global Binary Ti-Al Alloys Revenue Market Share by Geographic Region (2018-2023)



Table 30. Global Binary Ti-Al Alloys Sales by Country/Region (2018-2023) & (Tons)

Table 31. Global Binary Ti-Al Alloys Sales Market Share by Country/Region (2018-2023)

Table 32. Global Binary Ti-Al Alloys Revenue by Country/Region (2018-2023) & (\$ millions)

Table 33. Global Binary Ti-Al Alloys Revenue Market Share by Country/Region (2018-2023)

Table 34. Americas Binary Ti-Al Alloys Sales by Country (2018-2023) & (Tons)

Table 35. Americas Binary Ti-Al Alloys Sales Market Share by Country (2018-2023)

Table 36. Americas Binary Ti-Al Alloys Revenue by Country (2018-2023) & (\$ Millions)

Table 37. Americas Binary Ti-Al Alloys Revenue Market Share by Country (2018-2023)

Table 38. Americas Binary Ti-Al Alloys Sales by Type (2018-2023) & (Tons)

Table 39. Americas Binary Ti-Al Alloys Sales by Application (2018-2023) & (Tons)

Table 40. APAC Binary Ti-Al Alloys Sales by Region (2018-2023) & (Tons)

Table 41. APAC Binary Ti-Al Alloys Sales Market Share by Region (2018-2023)

Table 42. APAC Binary Ti-Al Alloys Revenue by Region (2018-2023) & (\$ Millions)

Table 43. APAC Binary Ti-Al Alloys Revenue Market Share by Region (2018-2023)

Table 44. APAC Binary Ti-Al Alloys Sales by Type (2018-2023) & (Tons)

Table 45. APAC Binary Ti-Al Alloys Sales by Application (2018-2023) & (Tons)

Table 46. Europe Binary Ti-Al Alloys Sales by Country (2018-2023) & (Tons)

Table 47. Europe Binary Ti-Al Alloys Sales Market Share by Country (2018-2023)

Table 48. Europe Binary Ti-Al Alloys Revenue by Country (2018-2023) & (\$ Millions)

Table 49. Europe Binary Ti-Al Alloys Revenue Market Share by Country (2018-2023)

Table 50. Europe Binary Ti-Al Alloys Sales by Type (2018-2023) & (Tons)

Table 51. Europe Binary Ti-Al Alloys Sales by Application (2018-2023) & (Tons)

Table 52. Middle East & Africa Binary Ti-Al Alloys Sales by Country (2018-2023) & (Tons)

Table 53. Middle East & Africa Binary Ti-Al Alloys Sales Market Share by Country (2018-2023)

Table 54. Middle East & Africa Binary Ti-Al Alloys Revenue by Country (2018-2023) & (\$ Millions)

Table 55. Middle East & Africa Binary Ti-Al Alloys Revenue Market Share by Country (2018-2023)

Table 56. Middle East & Africa Binary Ti-Al Alloys Sales by Type (2018-2023) & (Tons)

Table 57. Middle East & Africa Binary Ti-Al Alloys Sales by Application (2018-2023) & (Tons)

Table 58. Key Market Drivers & Growth Opportunities of Binary Ti-Al Alloys

Table 59. Key Market Challenges & Risks of Binary Ti-Al Alloys

Table 60. Key Industry Trends of Binary Ti-Al Alloys

- Table 61. Binary Ti-Al Alloys Raw Material
- Table 62. Key Suppliers of Raw Materials
- Table 63. Binary Ti-Al Alloys Distributors List
- Table 64. Binary Ti-Al Alloys Customer List
- Table 65. Global Binary Ti-Al Alloys Sales Forecast by Region (2024-2029) & (Tons)
- Table 66. Global Binary Ti-Al Alloys Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 67. Americas Binary Ti-Al Alloys Sales Forecast by Country (2024-2029) & (Tons)
- Table 68. Americas Binary Ti-Al Alloys Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 69. APAC Binary Ti-Al Alloys Sales Forecast by Region (2024-2029) & (Tons)
- Table 70. APAC Binary Ti-Al Alloys Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 71. Europe Binary Ti-Al Alloys Sales Forecast by Country (2024-2029) & (Tons)
- Table 72. Europe Binary Ti-Al Alloys Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 73. Middle East & Africa Binary Ti-Al Alloys Sales Forecast by Country (2024-2029) & (Tons)
- Table 74. Middle East & Africa Binary Ti-Al Alloys Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 75. Global Binary Ti-Al Alloys Sales Forecast by Type (2024-2029) & (Tons)
- Table 76. Global Binary Ti-Al Alloys Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 77. Global Binary Ti-Al Alloys Sales Forecast by Application (2024-2029) & (Tons)
- Table 78. Global Binary Ti-Al Alloys Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 79. ATI Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 80. ATI Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 81. ATI Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)
- Table 82. ATI Main Business
- Table 83. ATI Latest Developments
- Table 84. VSMPO-AVISMA Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 85. VSMPO-AVISMA Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 86. VSMPO-AVISMA Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)



- Table 87. VSMPO-AVISMA Main Business
- Table 88. VSMPO-AVISMA Latest Developments
- Table 89. Precision Castparts Corp Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 90. Precision Castparts Corp Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 91. Precision Castparts Corp Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)
- Table 92. Precision Castparts Corp Main Business
- Table 93. Precision Castparts Corp Latest Developments
- Table 94. Western Superconducting Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 95. Western Superconducting Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 96. Western Superconducting Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)
- Table 97. Western Superconducting Main Business
- Table 98. Western Superconducting Latest Developments
- Table 99. Howmet Aerospace (Alcoa) Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 100. Howmet Aerospace (Alcoa) Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 101. Howmet Aerospace (Alcoa) Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)
- Table 102. Howmet Aerospace (Alcoa) Main Business
- Table 103. Howmet Aerospace (Alcoa) Latest Developments
- Table 104. carpentertechnology Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 105. carpentertechnology Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 106. carpentertechnology Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)
- Table 107. carpentertechnology Main Business
- Table 108. carpentertechnology Latest Developments
- Table 109. DaidoSteel Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors
- Table 110. DaidoSteel Binary Ti-Al Alloys Product Portfolios and Specifications
- Table 111. DaidoSteel Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 112. DaidoSteel Main Business

Table 113. DaidoSteel Latest Developments

Table 114. AMG Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors

Table 115. AMG Binary Ti-Al Alloys Product Portfolios and Specifications

Table 116. AMG Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 117. AMG Main Business

Table 118. AMG Latest Developments

Table 119. KBMAffilips Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors

Table 120. KBMAffilips Binary Ti-Al Alloys Product Portfolios and Specifications

Table 121. KBMAffilips Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 122. KBMAffilips Main Business

Table 123. KBMAffilips Latest Developments

Table 124. Timet Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors

Table 125. Timet Binary Ti-Al Alloys Product Portfolios and Specifications

Table 126. Timet Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 127. Timet Main Business

Table 128. Timet Latest Developments

Table 129. Special Metals Corporation Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors

Table 130. Special Metals Corporation Binary Ti-Al Alloys Product Portfolios and Specifications

Table 131. Special Metals Corporation Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 132. Special Metals Corporation Main Business

Table 133. Special Metals Corporation Latest Developments

Table 134. Norsk Titanium Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors

Table 135. Norsk Titanium Binary Ti-Al Alloys Product Portfolios and Specifications

Table 136. Norsk Titanium Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 137. Norsk Titanium Main Business

Table 138. Norsk Titanium Latest Developments

Table 139. Aperam Alloys Imphy Basic Information, Binary Ti-Al Alloys Manufacturing

Base, Sales Area and Its Competitors

Table 140. Aperam Alloys Imphy Binary Ti-Al Alloys Product Portfolios and Specifications

Table 141. Aperam Alloys Imphy Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 142. Aperam Alloys Imphy Main Business

Table 143. Aperam Alloys Imphy Latest Developments

Table 144. Kobe Steel, Ltd. (Kobelco) Basic Information, Binary Ti-Al Alloys Manufacturing Base, Sales Area and Its Competitors

Table 145. Kobe Steel, Ltd. (Kobelco) Binary Ti-Al Alloys Product Portfolios and Specifications

Table 146. Kobe Steel, Ltd. (Kobelco) Binary Ti-Al Alloys Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 147. Kobe Steel, Ltd. (Kobelco) Main Business

Table 148. Kobe Steel, Ltd. (Kobelco) Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Binary Ti-Al Alloys
- Figure 2. Binary Ti-Al Alloys Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Binary Ti-Al Alloys Sales Growth Rate 2018-2029 (Tons)
- Figure 7. Global Binary Ti-Al Alloys Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Binary Ti-Al Alloys Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of  $\alpha$ -Ti<sub>3</sub>Al
- Figure 10. Product Picture of  $\beta$ -TiAl
- Figure 11. Product Picture of  $\gamma$ -TiAl
- Figure 12. Global Binary Ti-Al Alloys Sales Market Share by Type in 2022
- Figure 13. Global Binary Ti-Al Alloys Revenue Market Share by Type (2018-2023)
- Figure 14. Binary Ti-Al Alloys Consumed in Automotive
- Figure 15. Global Binary Ti-Al Alloys Market: Automotive (2018-2023) & (Tons)
- Figure 16. Binary Ti-Al Alloys Consumed in Aerospace
- Figure 17. Global Binary Ti-Al Alloys Market: Aerospace (2018-2023) & (Tons)
- Figure 18. Binary Ti-Al Alloys Consumed in Power & Energy
- Figure 19. Global Binary Ti-Al Alloys Market: Power & Energy (2018-2023) & (Tons)
- Figure 20. Binary Ti-Al Alloys Consumed in Medical
- Figure 21. Global Binary Ti-Al Alloys Market: Medical (2018-2023) & (Tons)
- Figure 22. Binary Ti-Al Alloys Consumed in Defence
- Figure 23. Global Binary Ti-Al Alloys Market: Defence (2018-2023) & (Tons)
- Figure 24. Binary Ti-Al Alloys Consumed in Sports
- Figure 25. Global Binary Ti-Al Alloys Market: Sports (2018-2023) & (Tons)
- Figure 26. Binary Ti-Al Alloys Consumed in Others
- Figure 27. Global Binary Ti-Al Alloys Market: Others (2018-2023) & (Tons)
- Figure 28. Global Binary Ti-Al Alloys Sales Market Share by Application (2022)
- Figure 29. Global Binary Ti-Al Alloys Revenue Market Share by Application in 2022
- Figure 30. Binary Ti-Al Alloys Sales Market by Company in 2022 (Tons)
- Figure 31. Global Binary Ti-Al Alloys Sales Market Share by Company in 2022
- Figure 32. Binary Ti-Al Alloys Revenue Market by Company in 2022 (\$ Million)
- Figure 33. Global Binary Ti-Al Alloys Revenue Market Share by Company in 2022
- Figure 34. Global Binary Ti-Al Alloys Sales Market Share by Geographic Region (2018-2023)

Figure 35. Global Binary Ti-Al Alloys Revenue Market Share by Geographic Region in 2022

Figure 36. Americas Binary Ti-Al Alloys Sales 2018-2023 (Tons)

Figure 37. Americas Binary Ti-Al Alloys Revenue 2018-2023 (\$ Millions)

Figure 38. APAC Binary Ti-Al Alloys Sales 2018-2023 (Tons)

Figure 39. APAC Binary Ti-Al Alloys Revenue 2018-2023 (\$ Millions)

Figure 40. Europe Binary Ti-Al Alloys Sales 2018-2023 (Tons)

Figure 41. Europe Binary Ti-Al Alloys Revenue 2018-2023 (\$ Millions)

Figure 42. Middle East & Africa Binary Ti-Al Alloys Sales 2018-2023 (Tons)

Figure 43. Middle East & Africa Binary Ti-Al Alloys Revenue 2018-2023 (\$ Millions)

Figure 44. Americas Binary Ti-Al Alloys Sales Market Share by Country in 2022

Figure 45. Americas Binary Ti-Al Alloys Revenue Market Share by Country in 2022

Figure 46. Americas Binary Ti-Al Alloys Sales Market Share by Type (2018-2023)

Figure 47. Americas Binary Ti-Al Alloys Sales Market Share by Application (2018-2023)

Figure 48. United States Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 49. Canada Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 50. Mexico Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 51. Brazil Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 52. APAC Binary Ti-Al Alloys Sales Market Share by Region in 2022

Figure 53. APAC Binary Ti-Al Alloys Revenue Market Share by Regions in 2022

Figure 54. APAC Binary Ti-Al Alloys Sales Market Share by Type (2018-2023)

Figure 55. APAC Binary Ti-Al Alloys Sales Market Share by Application (2018-2023)

Figure 56. China Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Japan Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 58. South Korea Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 59. Southeast Asia Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 60. India Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 61. Australia Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 62. China Taiwan Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 63. Europe Binary Ti-Al Alloys Sales Market Share by Country in 2022

Figure 64. Europe Binary Ti-Al Alloys Revenue Market Share by Country in 2022

Figure 65. Europe Binary Ti-Al Alloys Sales Market Share by Type (2018-2023)

Figure 66. Europe Binary Ti-Al Alloys Sales Market Share by Application (2018-2023)

Figure 67. Germany Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 68. France Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 69. UK Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 70. Italy Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 71. Russia Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Middle East & Africa Binary Ti-Al Alloys Sales Market Share by Country in

2022

Figure 73. Middle East & Africa Binary Ti-Al Alloys Revenue Market Share by Country in 2022

Figure 74. Middle East & Africa Binary Ti-Al Alloys Sales Market Share by Type (2018-2023)

Figure 75. Middle East & Africa Binary Ti-Al Alloys Sales Market Share by Application (2018-2023)

Figure 76. Egypt Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 77. South Africa Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 78. Israel Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 79. Turkey Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 80. GCC Country Binary Ti-Al Alloys Revenue Growth 2018-2023 (\$ Millions)

Figure 81. Manufacturing Cost Structure Analysis of Binary Ti-Al Alloys in 2022

Figure 82. Manufacturing Process Analysis of Binary Ti-Al Alloys

Figure 83. Industry Chain Structure of Binary Ti-Al Alloys

Figure 84. Channels of Distribution

Figure 85. Global Binary Ti-Al Alloys Sales Market Forecast by Region (2024-2029)

Figure 86. Global Binary Ti-Al Alloys Revenue Market Share Forecast by Region (2024-2029)

Figure 87. Global Binary Ti-Al Alloys Sales Market Share Forecast by Type (2024-2029)

Figure 88. Global Binary Ti-Al Alloys Revenue Market Share Forecast by Type (2024-2029)

Figure 89. Global Binary Ti-Al Alloys Sales Market Share Forecast by Application (2024-2029)

Figure 90. Global Binary Ti-Al Alloys Revenue Market Share Forecast by Application (2024-2029)



## I would like to order

Product name: Global Binary Ti-Al Alloys Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/GA5540D34969EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA5540D34969EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970