

Global High Performance Alloys Market Analysis and Forecast 2024-2030

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Abstracts

Summary

High performance alloys is an alloy that exhibits several key characteristics: excellent mechanical strength, resistance to thermal creep deformation, good surface stability and resistance to corrosion or oxidation. The crystal structure is typically face-centered cubic austenitic. Examples of such alloys are Hastelloy, Inconel, Waspaloy, Rene alloys, Haynes alloys, Incoloy, MP98T, TMS alloys, and CMSX single crystal alloys.

According to APO Research, The global High Performance Alloys market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for High Performance Alloys is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for High Performance Alloys is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for High Performance Alloys is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for High Performance Alloys is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025

through 2030.

The major global manufacturers of High Performance Alloys include Precision Castparts Corporation, Allegheny Technologies Limited, ThyssenKrupp, Alcoa, Carpenter Technology Corporation, Aperam, Haynes International, Eramet Group and AMG, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the High Performance Alloys production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of High Performance Alloys by region (region level and country level), by Company, by Type and by Application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for High Performance Alloys, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of High Performance Alloys, also provides the consumption of main regions and countries. Of the upcoming market potential for High Performance Alloys, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the High Performance Alloys sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global High Performance Alloys market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for High Performance Alloys sales, projected growth trends, production technology, application and end-user industry.

High Performance Alloys segment by Company

Precision Castparts Corporation

Allegheny Technologies Limited

ThyssenKrupp

Alcoa

Carpenter Technology Corporation

Aperam

Haynes International

Eramet Group

AMG

Sumitomo Metal Industries

VSMPO

Nippon Yakin Kogyo

High Performance Alloys

Hitachi Metals

Olin Brass

QuesTek Innovations

Doncasters Group

Boway

BAO TI GROUP

Fushun Special Steel

AT&M

ANSTEEL

CATC

High Performance Alloys segment by Type

Superalloy

Corrosion-resistant

Electronic

Wear-resistant

Others

High Performance Alloys segment by Application

Aerospace

IGT (Electricity)

IGT (Mechanical)

Industrial

Automotive

Oil & Gas

Others

High Performance Alloys segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global High Performance Alloys market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of High Performance Alloys and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of High Performance Alloys.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by type and by application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by

manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: High Performance Alloys production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production, and development potential of each producer in the next six years.

Chapter 4: Sales (consumption), revenue of High Performance Alloys in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space of each country in the world.

Chapter 5: Detailed analysis of High Performance Alloys manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 6: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7: Provides the analysis of various market segments by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, High Performance Alloys sales, revenue, price, gross margin, and recent development, etc.

Chapter 9: North America (US & Canada) by type, by application and by country, sales, and revenue for each segment.

Chapter 10: Europe by type, by application and by country, sales, and revenue for each segment.

Chapter 11: China by type, by application, sales, and revenue for each segment.

Chapter 12: Asia (Excluding China) by type, by application and by region, sales, and revenue for each segment.

Chapter 13: Middle East, Africa, Latin America by type, by application and by country, sales, and revenue for each segment.

Chapter 14: Analysis of industrial chain, sales channel, key raw materials, distributors and customers.

Chapter 15: The main concluding insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 High Performance Alloys Market by Type
 - 1.2.1 Global High Performance Alloys Market Size by Type, 2019 VS 2023 VS 2030
 - 1.2.2 Superalloy
 - 1.2.3 Corrosion-resistant
 - 1.2.4 Electronic
 - 1.2.5 Wear-resistant
 - 1.2.6 Others
- 1.3 High Performance Alloys Market by Application
 - 1.3.1 Global High Performance Alloys Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 Aerospace
 - 1.3.3 IGT (Electricity)
 - 1.3.4 IGT (Mechanical)
 - 1.3.5 Industrial
 - 1.3.6 Automotive
 - 1.3.7 Oil & Gas
 - 1.3.8 Others
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 HIGH PERFORMANCE ALLOYS MARKET DYNAMICS

- 2.1 High Performance Alloys Industry Trends
- 2.2 High Performance Alloys Industry Drivers
- 2.3 High Performance Alloys Industry Opportunities and Challenges
- 2.4 High Performance Alloys Industry Restraints

3 GLOBAL HIGH PERFORMANCE ALLOYS PRODUCTION OVERVIEW

- 3.1 Global High Performance Alloys Production Capacity (2019-2030)
- 3.2 Global High Performance Alloys Production by Region: 2019 VS 2023 VS 2030
- 3.3 Global High Performance Alloys Production by Region
 - 3.3.1 Global High Performance Alloys Production by Region (2019-2024)
 - 3.3.2 Global High Performance Alloys Production by Region (2025-2030)

3.3.3 Global High Performance Alloys Production Market Share by Region
(2019-2030)

3.4 North America

3.5 Europe

3.6 South America

3.7 Japan

3.8 China

4 GLOBAL MARKET GROWTH PROSPECTS

4.1 Global High Performance Alloys Revenue Estimates and Forecasts (2019-2030)

4.2 Global High Performance Alloys Revenue by Region

4.2.1 Global High Performance Alloys Revenue by Region: 2019 VS 2023 VS 2030

4.2.2 Global High Performance Alloys Revenue by Region (2019-2024)

4.2.3 Global High Performance Alloys Revenue by Region (2025-2030)

4.2.4 Global High Performance Alloys Revenue Market Share by Region (2019-2030)

4.3 Global High Performance Alloys Sales Estimates and Forecasts 2019-2030

4.4 Global High Performance Alloys Sales by Region

4.4.1 Global High Performance Alloys Sales by Region: 2019 VS 2023 VS 2030

4.4.2 Global High Performance Alloys Sales by Region (2019-2024)

4.4.3 Global High Performance Alloys Sales by Region (2025-2030)

4.4.4 Global High Performance Alloys Sales Market Share by Region (2019-2030)

4.5 US & Canada

4.6 Europe

4.7 China

4.8 Asia (Excluding China)

4.9 Middle East, Africa and Latin America

5 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

5.1 Global High Performance Alloys Revenue by Manufacturers

5.1.1 Global High Performance Alloys Revenue by Manufacturers (2019-2024)

5.1.2 Global High Performance Alloys Revenue Market Share by Manufacturers
(2019-2024)

5.1.3 Global High Performance Alloys Manufacturers Revenue Share Top 10 and Top
5 in 2023

5.2 Global High Performance Alloys Sales by Manufacturers

5.2.1 Global High Performance Alloys Sales by Manufacturers (2019-2024)

5.2.2 Global High Performance Alloys Sales Market Share by Manufacturers

(2019-2024)

5.2.3 Global High Performance Alloys Manufacturers Sales Share Top 10 and Top 5 in 2023

5.3 Global High Performance Alloys Sales Price by Manufacturers (2019-2024)

5.4 Global High Performance Alloys Key Manufacturers Ranking, 2022 VS 2023 VS 2024

5.5 Global High Performance Alloys Key Manufacturers Manufacturing Sites & Headquarters

5.6 Global High Performance Alloys Manufacturers, Product Type & Application

5.7 Global High Performance Alloys Manufacturers Commercialization Time

5.8 Market Competitive Analysis

5.8.1 Global High Performance Alloys Market CR5 and HHI

5.8.2 2023 High Performance Alloys Tier 1, Tier 2, and Tier

6 HIGH PERFORMANCE ALLOYS MARKET BY TYPE

6.1 Global High Performance Alloys Revenue by Type

6.1.1 Global High Performance Alloys Revenue by Type (2019 VS 2023 VS 2030)

6.1.2 Global High Performance Alloys Revenue by Type (2019-2030) & (US\$ Million)

6.1.3 Global High Performance Alloys Revenue Market Share by Type (2019-2030)

6.2 Global High Performance Alloys Sales by Type

6.2.1 Global High Performance Alloys Sales by Type (2019 VS 2023 VS 2030)

6.2.2 Global High Performance Alloys Sales by Type (2019-2030) & (K MT)

6.2.3 Global High Performance Alloys Sales Market Share by Type (2019-2030)

6.3 Global High Performance Alloys Price by Type

7 HIGH PERFORMANCE ALLOYS MARKET BY APPLICATION

7.1 Global High Performance Alloys Revenue by Application

7.1.1 Global High Performance Alloys Revenue by Application (2019 VS 2023 VS 2030)

7.1.2 Global High Performance Alloys Revenue by Application (2019-2030) & (US\$ Million)

7.1.3 Global High Performance Alloys Revenue Market Share by Application (2019-2030)

7.2 Global High Performance Alloys Sales by Application

7.2.1 Global High Performance Alloys Sales by Application (2019 VS 2023 VS 2030)

7.2.2 Global High Performance Alloys Sales by Application (2019-2030) & (K MT)

7.2.3 Global High Performance Alloys Sales Market Share by Application (2019-2030)

7.3 Global High Performance Alloys Price by Application

8 COMPANY PROFILES

8.1 Precision Castparts Corporation

8.1.1 Precision Castparts Corporation Company Information

8.1.2 Precision Castparts Corporation Business Overview

8.1.3 Precision Castparts Corporation High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.1.4 Precision Castparts Corporation High Performance Alloys Product Portfolio

8.1.5 Precision Castparts Corporation Recent Developments

8.2 Allegheny Technologies Limited

8.2.1 Allegheny Technologies Limited Company Information

8.2.2 Allegheny Technologies Limited Business Overview

8.2.3 Allegheny Technologies Limited High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.2.4 Allegheny Technologies Limited High Performance Alloys Product Portfolio

8.2.5 Allegheny Technologies Limited Recent Developments

8.3 ThyssenKrupp

8.3.1 ThyssenKrupp Company Information

8.3.2 ThyssenKrupp Business Overview

8.3.3 ThyssenKrupp High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.3.4 ThyssenKrupp High Performance Alloys Product Portfolio

8.3.5 ThyssenKrupp Recent Developments

8.4 Alcoa

8.4.1 Alcoa Company Information

8.4.2 Alcoa Business Overview

8.4.3 Alcoa High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.4.4 Alcoa High Performance Alloys Product Portfolio

8.4.5 Alcoa Recent Developments

8.5 Carpenter Technology Corporation

8.5.1 Carpenter Technology Corporation Company Information

8.5.2 Carpenter Technology Corporation Business Overview

8.5.3 Carpenter Technology Corporation High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.5.4 Carpenter Technology Corporation High Performance Alloys Product Portfolio

8.5.5 Carpenter Technology Corporation Recent Developments

8.6 Aperam

8.6.1 Aperam Company Information

8.6.2 Aperam Business Overview

8.6.3 Aperam High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.6.4 Aperam High Performance Alloys Product Portfolio

8.6.5 Aperam Recent Developments

8.7 Haynes International

8.7.1 Haynes International Company Information

8.7.2 Haynes International Business Overview

8.7.3 Haynes International High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.7.4 Haynes International High Performance Alloys Product Portfolio

8.7.5 Haynes International Recent Developments

8.8 Eramet Group

8.8.1 Eramet Group Company Information

8.8.2 Eramet Group Business Overview

8.8.3 Eramet Group High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.8.4 Eramet Group High Performance Alloys Product Portfolio

8.8.5 Eramet Group Recent Developments

8.9 AMG

8.9.1 AMG Company Information

8.9.2 AMG Business Overview

8.9.3 AMG High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.9.4 AMG High Performance Alloys Product Portfolio

8.9.5 AMG Recent Developments

8.10 Sumitomo Metal Industries

8.10.1 Sumitomo Metal Industries Company Information

8.10.2 Sumitomo Metal Industries Business Overview

8.10.3 Sumitomo Metal Industries High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.10.4 Sumitomo Metal Industries High Performance Alloys Product Portfolio

8.10.5 Sumitomo Metal Industries Recent Developments

8.11 VSMPO

8.11.1 VSMPO Company Information

8.11.2 VSMPO Business Overview

8.11.3 VSMPO High Performance Alloys Sales, Revenue, Price and Gross Margin

(2019-2024)

8.11.4 VSMPO High Performance Alloys Product Portfolio

8.11.5 VSMPO Recent Developments

8.12 Nippon Yakin Kogyo

8.12.1 Nippon Yakin Kogyo Company Information

8.12.2 Nippon Yakin Kogyo Business Overview

8.12.3 Nippon Yakin Kogyo High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.12.4 Nippon Yakin Kogyo High Performance Alloys Product Portfolio

8.12.5 Nippon Yakin Kogyo Recent Developments

8.13 High Performance Alloys

8.13.1 High Performance Alloys Company Information

8.13.2 High Performance Alloys Business Overview

8.13.3 High Performance Alloys High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.13.4 High Performance Alloys High Performance Alloys Product Portfolio

8.13.5 High Performance Alloys Recent Developments

8.14 Hitachi Metals

8.14.1 Hitachi Metals Company Information

8.14.2 Hitachi Metals Business Overview

8.14.3 Hitachi Metals High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.14.4 Hitachi Metals High Performance Alloys Product Portfolio

8.14.5 Hitachi Metals Recent Developments

8.15 Olin Brass

8.15.1 Olin Brass Company Information

8.15.2 Olin Brass Business Overview

8.15.3 Olin Brass High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.15.4 Olin Brass High Performance Alloys Product Portfolio

8.15.5 Olin Brass Recent Developments

8.16 QuesTek Innovations

8.16.1 QuesTek Innovations Company Information

8.16.2 QuesTek Innovations Business Overview

8.16.3 QuesTek Innovations High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.16.4 QuesTek Innovations High Performance Alloys Product Portfolio

8.16.5 QuesTek Innovations Recent Developments

8.17 Doncasters Group

- 8.17.1 Doncasters Group Company Information
- 8.17.2 Doncasters Group Business Overview
- 8.17.3 Doncasters Group High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.17.4 Doncasters Group High Performance Alloys Product Portfolio
- 8.17.5 Doncasters Group Recent Developments
- 8.18 Boway
 - 8.18.1 Boway Company Information
 - 8.18.2 Boway Business Overview
 - 8.18.3 Boway High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.18.4 Boway High Performance Alloys Product Portfolio
 - 8.18.5 Boway Recent Developments
- 8.19 BAO TI GROUP
 - 8.19.1 BAO TI GROUP Company Information
 - 8.19.2 BAO TI GROUP Business Overview
 - 8.19.3 BAO TI GROUP High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.19.4 BAO TI GROUP High Performance Alloys Product Portfolio
 - 8.19.5 BAO TI GROUP Recent Developments
- 8.20 Fushun Special Steel
 - 8.20.1 Fushun Special Steel Company Information
 - 8.20.2 Fushun Special Steel Business Overview
 - 8.20.3 Fushun Special Steel High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.20.4 Fushun Special Steel High Performance Alloys Product Portfolio
 - 8.20.5 Fushun Special Steel Recent Developments
- 8.21 AT&M
 - 8.21.1 AT&M Company Information
 - 8.21.2 AT&M Business Overview
 - 8.21.3 AT&M High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.21.4 AT&M High Performance Alloys Product Portfolio
 - 8.21.5 AT&M Recent Developments
- 8.22 ANSTEEL
 - 8.22.1 ANSTEEL Company Information
 - 8.22.2 ANSTEEL Business Overview
 - 8.22.3 ANSTEEL High Performance Alloys Sales, Revenue, Price and Gross Margin (2019-2024)

8.22.4 ANSTEEL High Performance Alloys Product Portfolio

8.22.5 ANSTEEL Recent Developments

8.23 CATC

8.23.1 CATC Company Information

8.23.2 CATC Business Overview

8.23.3 CATC High Performance Alloys Sales, Revenue, Price and Gross Margin
(2019-2024)

8.23.4 CATC High Performance Alloys Product Portfolio

8.23.5 CATC Recent Developments

9 NORTH AMERICA

9.1 North America High Performance Alloys Market Size by Type

9.1.1 North America High Performance Alloys Revenue by Type (2019-2030)

9.1.2 North America High Performance Alloys Sales by Type (2019-2030)

9.1.3 North America High Performance Alloys Price by Type (2019-2030)

9.2 North America High Performance Alloys Market Size by Application

9.2.1 North America High Performance Alloys Revenue by Application (2019-2030)

9.2.2 North America High Performance Alloys Sales by Application (2019-2030)

9.2.3 North America High Performance Alloys Price by Application (2019-2030)

9.3 North America High Performance Alloys Market Size by Country

9.3.1 North America High Performance Alloys Revenue Growth Rate by Country (2019
VS 2023 VS 2030)

9.3.2 North America High Performance Alloys Sales by Country (2019 VS 2023 VS
2030)

9.3.3 North America High Performance Alloys Price by Country (2019-2030)

9.3.4 U.S.

9.3.5 Canada

10 EUROPE

10.1 Europe High Performance Alloys Market Size by Type

10.1.1 Europe High Performance Alloys Revenue by Type (2019-2030)

10.1.2 Europe High Performance Alloys Sales by Type (2019-2030)

10.1.3 Europe High Performance Alloys Price by Type (2019-2030)

10.2 Europe High Performance Alloys Market Size by Application

10.2.1 Europe High Performance Alloys Revenue by Application (2019-2030)

10.2.2 Europe High Performance Alloys Sales by Application (2019-2030)

10.2.3 Europe High Performance Alloys Price by Application (2019-2030)

10.3 Europe High Performance Alloys Market Size by Country

10.3.1 Europe High Performance Alloys Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

10.3.2 Europe High Performance Alloys Sales by Country (2019 VS 2023 VS 2030)

10.3.3 Europe High Performance Alloys Price by Country (2019-2030)

10.3.4 Germany

10.3.5 France

10.3.6 U.K.

10.3.7 Italy

10.3.8 Russia

11 CHINA

11.1 China High Performance Alloys Market Size by Type

11.1.1 China High Performance Alloys Revenue by Type (2019-2030)

11.1.2 China High Performance Alloys Sales by Type (2019-2030)

11.1.3 China High Performance Alloys Price by Type (2019-2030)

11.2 China High Performance Alloys Market Size by Application

11.2.1 China High Performance Alloys Revenue by Application (2019-2030)

11.2.2 China High Performance Alloys Sales by Application (2019-2030)

11.2.3 China High Performance Alloys Price by Application (2019-2030)

12 ASIA (EXCLUDING CHINA)

12.1 Asia High Performance Alloys Market Size by Type

12.1.1 Asia High Performance Alloys Revenue by Type (2019-2030)

12.1.2 Asia High Performance Alloys Sales by Type (2019-2030)

12.1.3 Asia High Performance Alloys Price by Type (2019-2030)

12.2 Asia High Performance Alloys Market Size by Application

12.2.1 Asia High Performance Alloys Revenue by Application (2019-2030)

12.2.2 Asia High Performance Alloys Sales by Application (2019-2030)

12.2.3 Asia High Performance Alloys Price by Application (2019-2030)

12.3 Asia High Performance Alloys Market Size by Country

12.3.1 Asia High Performance Alloys Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

12.3.2 Asia High Performance Alloys Sales by Country (2019 VS 2023 VS 2030)

12.3.3 Asia High Performance Alloys Price by Country (2019-2030)

12.3.4 Japan

12.3.5 South Korea

- 12.3.6 India
- 12.3.7 Australia
- 12.3.8 China Taiwan
- 12.3.9 Southeast Asia

13 MIDDLE EAST, AFRICA AND LATIN AMERICA

13.1 Middle East, Africa and Latin America High Performance Alloys Market Size by Type

13.1.1 Middle East, Africa and Latin America High Performance Alloys Revenue by Type (2019-2030)

13.1.2 Middle East, Africa and Latin America High Performance Alloys Sales by Type (2019-2030)

13.1.3 Middle East, Africa and Latin America High Performance Alloys Price by Type (2019-2030)

13.2 Middle East, Africa and Latin America High Performance Alloys Market Size by Application

13.2.1 Middle East, Africa and Latin America High Performance Alloys Revenue by Application (2019-2030)

13.2.2 Middle East, Africa and Latin America High Performance Alloys Sales by Application (2019-2030)

13.2.3 Middle East, Africa and Latin America High Performance Alloys Price by Application (2019-2030)

13.3 Middle East, Africa and Latin America High Performance Alloys Market Size by Country

13.3.1 Middle East, Africa and Latin America High Performance Alloys Revenue Growth Rate by Country (2019 VS 2023 VS 2030)

13.3.2 Middle East, Africa and Latin America High Performance Alloys Sales by Country (2019 VS 2023 VS 2030)

13.3.3 Middle East, Africa and Latin America High Performance Alloys Price by Country (2019-2030)

- 13.3.4 Mexico
- 13.3.5 Brazil
- 13.3.6 Israel
- 13.3.7 Argentina
- 13.3.8 Colombia
- 13.3.9 Turkey
- 13.3.10 Saudi Arabia
- 13.3.11 UAE

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

14.1 High Performance Alloys Value Chain Analysis

14.1.1 High Performance Alloys Key Raw Materials

14.1.2 Raw Materials Key Suppliers

14.1.3 Manufacturing Cost Structure

14.1.4 High Performance Alloys Production Mode & Process

14.2 High Performance Alloys Sales Channels Analysis

14.2.1 Direct Comparison with Distribution Share

14.2.2 High Performance Alloys Distributors

14.2.3 High Performance Alloys Customers

15 CONCLUDING INSIGHTS

16 APPENDIX

16.1 Reasons for Doing This Study

16.2 Research Methodology

16.3 Research Process

16.4 Authors List of This Report

16.5 Data Source

16.5.1 Secondary Sources

16.5.2 Primary Sources

16.6 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global High Performance Alloys Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Table 2. Global High Performance Alloys Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Table 3. Superalloy Major Manufacturers
- Table 4. Corrosion-resistant Major Manufacturers
- Table 5. Electronic Major Manufacturers
- Table 6. Wear-resistant Major Manufacturers
- Table 7. Others Major Manufacturers
- Table 8. Global High Performance Alloys Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030
- Table 9. Aerospace Major Manufacturers
- Table 10. IGT (Electricity) Major Manufacturers
- Table 11. IGT (Mechanical) Major Manufacturers
- Table 12. Industrial Major Manufacturers
- Table 13. Automotive Major Manufacturers
- Table 14. Oil & Gas Major Manufacturers
- Table 15. Others Major Manufacturers
- Table 16. High Performance Alloys Industry Trends
- Table 17. High Performance Alloys Industry Drivers
- Table 18. High Performance Alloys Industry Opportunities and Challenges
- Table 19. High Performance Alloys Industry Restraints
- Table 20. Global High Performance Alloys Production Growth Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (K MT)
- Table 21. Global High Performance Alloys Production by Region (2019-2024) & (K MT)
- Table 22. Global High Performance Alloys Production by Region (2025-2030) & (K MT)
- Table 23. Global High Performance Alloys Production Market Share by Region (2019-2024)
- Table 24. Global High Performance Alloys Production Market Share by Region (2025-2030)
- Table 25. Global High Performance Alloys Revenue Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 26. Global High Performance Alloys Revenue by Region (2019-2024) & (US\$ Million)
- Table 27. Global High Performance Alloys Revenue by Region (2025-2030) & (US\$

Million)

Table 28. Global High Performance Alloys Revenue Market Share by Region (2019-2024)

Table 29. Global High Performance Alloys Revenue Market Share by Region (2025-2030)

Table 30. Global High Performance Alloys Sales Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (K MT)

Table 31. Global High Performance Alloys Sales by Region (2019-2024) & (K MT)

Table 32. Global High Performance Alloys Sales by Region (2025-2030) & (K MT)

Table 33. Global High Performance Alloys Sales Market Share by Region (2019-2024)

Table 34. Global High Performance Alloys Sales Market Share by Region (2025-2030)

Table 35. Global High Performance Alloys Revenue by Manufacturers (US\$ Million) & (2019-2024)

Table 36. Global High Performance Alloys Revenue Market Share by Manufacturers (2019-2024)

Table 37. Global High Performance Alloys Sales by Manufacturers (US\$ Million) & (2019-2024)

Table 38. Global High Performance Alloys Sales Market Share by Manufacturers (2019-2024)

Table 39. Global High Performance Alloys Sales Price (USD/MT) of Manufacturers (2019-2024)

Table 40. Global High Performance Alloys Key Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 41. Global High Performance Alloys Key Manufacturers Manufacturing Sites & Headquarters

Table 42. Global High Performance Alloys Manufacturers, Product Type & Application

Table 43. Global High Performance Alloys Manufacturers Commercialization Time

Table 44. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 45. Global High Performance Alloys by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)

Table 46. Global High Performance Alloys Revenue by Type 2019 VS 2023 VS 2030 (US\$ Million)

Table 47. Global High Performance Alloys Revenue by Type (2019-2024) & (US\$ Million)

Table 48. Global High Performance Alloys Revenue by Type (2025-2030) & (US\$ Million)

Table 49. Global High Performance Alloys Revenue Market Share by Type (2019-2024)

Table 50. Global High Performance Alloys Revenue Market Share by Type (2025-2030)

Table 51. Global High Performance Alloys Sales by Type 2019 VS 2023 VS 2030 (K

MT)

Table 52. Global High Performance Alloys Sales by Type (2019-2024) & (K MT)

Table 53. Global High Performance Alloys Sales by Type (2025-2030) & (K MT)

Table 54. Global High Performance Alloys Sales Market Share by Type (2019-2024)

Table 55. Global High Performance Alloys Sales Market Share by Type (2025-2030)

Table 56. Global High Performance Alloys Price by Type (2019-2024) & (USD/MT)

Table 57. Global High Performance Alloys Price by Type (2025-2030) & (USD/MT)

Table 58. Global High Performance Alloys Revenue by Application 2019 VS 2023 VS 2030 (US\$ Million)

Table 59. Global High Performance Alloys Revenue by Application (2019-2024) & (US\$ Million)

Table 60. Global High Performance Alloys Revenue by Application (2025-2030) & (US\$ Million)

Table 61. Global High Performance Alloys Revenue Market Share by Application (2019-2024)

Table 62. Global High Performance Alloys Revenue Market Share by Application (2025-2030)

Table 63. Global High Performance Alloys Sales by Application 2019 VS 2023 VS 2030 (K MT)

Table 64. Global High Performance Alloys Sales by Application (2019-2024) & (K MT)

Table 65. Global High Performance Alloys Sales by Application (2025-2030) & (K MT)

Table 66. Global High Performance Alloys Sales Market Share by Application (2019-2024)

Table 67. Global High Performance Alloys Sales Market Share by Application (2025-2030)

Table 68. Global High Performance Alloys Price by Application (2019-2024) & (USD/MT)

Table 69. Global High Performance Alloys Price by Application (2025-2030) & (USD/MT)

Table 70. Precision Castparts Corporation Company Information

Table 71. Precision Castparts Corporation Business Overview

Table 72. Precision Castparts Corporation High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 73. Precision Castparts Corporation High Performance Alloys Product Portfolio

Table 74. Precision Castparts Corporation Recent Development

Table 75. Allegheny Technologies Limited Company Information

Table 76. Allegheny Technologies Limited Business Overview

Table 77. Allegheny Technologies Limited High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 78. Allegheny Technologies Limited High Performance Alloys Product Portfolio

Table 79. Allegheny Technologies Limited Recent Development

Table 80. ThyssenKrupp Company Information

Table 81. ThyssenKrupp Business Overview

Table 82. ThyssenKrupp High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 83. ThyssenKrupp High Performance Alloys Product Portfolio

Table 84. ThyssenKrupp Recent Development

Table 85. Alcoa Company Information

Table 86. Alcoa Business Overview

Table 87. Alcoa High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 88. Alcoa High Performance Alloys Product Portfolio

Table 89. Alcoa Recent Development

Table 90. Carpenter Technology Corporation Company Information

Table 91. Carpenter Technology Corporation Business Overview

Table 92. Carpenter Technology Corporation High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 93. Carpenter Technology Corporation High Performance Alloys Product Portfolio

Table 94. Carpenter Technology Corporation Recent Development

Table 95. Aperam Company Information

Table 96. Aperam Business Overview

Table 97. Aperam High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 98. Aperam High Performance Alloys Product Portfolio

Table 99. Aperam Recent Development

Table 100. Haynes International Company Information

Table 101. Haynes International Business Overview

Table 102. Haynes International High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 103. Haynes International High Performance Alloys Product Portfolio

Table 104. Haynes International Recent Development

Table 105. Eramet Group Company Information

Table 106. Eramet Group Business Overview

Table 107. Eramet Group High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 108. Eramet Group High Performance Alloys Product Portfolio

Table 109. Eramet Group Recent Development

Table 110. AMG Company Information

Table 111. AMG Business Overview

Table 112. AMG High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 113. AMG High Performance Alloys Product Portfolio

Table 114. AMG Recent Development

Table 115. Sumitomo Metal Industries Company Information

Table 116. Sumitomo Metal Industries Business Overview

Table 117. Sumitomo Metal Industries High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 118. Sumitomo Metal Industries High Performance Alloys Product Portfolio

Table 119. Sumitomo Metal Industries Recent Development

Table 120. VSMPO Company Information

Table 121. VSMPO Business Overview

Table 122. VSMPO High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 123. VSMPO High Performance Alloys Product Portfolio

Table 124. VSMPO Recent Development

Table 125. Nippon Yakin Kogyo Company Information

Table 126. Nippon Yakin Kogyo Business Overview

Table 127. Nippon Yakin Kogyo High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 128. Nippon Yakin Kogyo High Performance Alloys Product Portfolio

Table 129. Nippon Yakin Kogyo Recent Development

Table 130. High Performance Alloys Company Information

Table 131. High Performance Alloys Business Overview

Table 132. High Performance Alloys High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 133. High Performance Alloys High Performance Alloys Product Portfolio

Table 134. High Performance Alloys Recent Development

Table 135. Hitachi Metals Company Information

Table 136. Hitachi Metals Business Overview

Table 137. Hitachi Metals High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 138. Hitachi Metals High Performance Alloys Product Portfolio

Table 139. Hitachi Metals Recent Development

Table 140. Olin Brass Company Information

Table 141. Olin Brass Business Overview

Table 142. Olin Brass High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

- Table 143. Olin Brass High Performance Alloys Product Portfolio
- Table 144. Olin Brass Recent Development
- Table 145. QuesTek Innovations Company Information
- Table 146. QuesTek Innovations Business Overview
- Table 147. QuesTek Innovations High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 148. QuesTek Innovations High Performance Alloys Product Portfolio
- Table 149. QuesTek Innovations Recent Development
- Table 150. Doncasters Group Company Information
- Table 151. Doncasters Group Business Overview
- Table 152. Doncasters Group High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 153. Doncasters Group High Performance Alloys Product Portfolio
- Table 154. Doncasters Group Recent Development
- Table 155. Boway Company Information
- Table 156. Boway Business Overview
- Table 157. Boway High Performance Alloys Sales (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 158. Boway High Performance Alloys Product Portfolio
- Table 159. Boway Recent Development
- Table 160. BAO TI GROUP Company Information
- Table 161. BAO TI GROUP Business Overview
- Table 162. BAO TI GROUP High Performance Alloys Sales (K MT), Revenue (US\$ Million), Pric

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