

Global Metal & Alloy Sputtering Target Material Market Research Report 2023

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Abstracts

According to QYResearch's new survey, global Metal & Alloy Sputtering Target Material market is projected to reach US\$ 5322.1 million in 2029, increasing from US\$ 4130.4 million in 2022, with the CAGR of 4.0% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Metal & Alloy Sputtering Target Material market research.

The Metal & Alloy Sputtering Target Material market, which supplies materials used in physical vapor deposition (PVD) processes for semiconductor, electronics, and optical coatings, is influenced by various drivers and restrictions. These factors can impact the growth and dynamics of the market. Here are some key drivers and restrictions affecting the Metal & Alloy Sputtering Target Material market:

Drivers:

Semiconductor Industry Growth: The semiconductor industry is a major driver of the market. Sputtering target materials are essential for thin-film deposition processes used in semiconductor manufacturing, including chip production.

Advancements in Electronics: The demand for smaller, more powerful electronic devices, such as smartphones, tablets, and wearables, drives the need for advanced materials and manufacturing techniques, including sputtering target materials.

Optical Coatings: Sputtering target materials are used in optical coating applications for products like displays, lenses, mirrors, and solar panels. The growth in these industries contributes to market demand.

Emerging Technologies: Emerging technologies such as 5G, Internet of Things (IoT), and augmented reality (AR) create opportunities for sputtering target materials in the production of specialized components.

Energy Efficiency: Sputtering target materials play a role in improving energy efficiency by enabling the development of energy-efficient coatings on glass, solar cells, and other materials.

Research and Development: Ongoing research and development efforts lead to the introduction of new materials and alloys with enhanced properties, expanding the market.

Customization and Precision: Customers demand customized sputtering target materials tailored to specific applications, and manufacturers that offer precision and customization capabilities gain a competitive edge.

Restrictions:

High Material Costs: Some sputtering target materials, especially those containing rare or precious metals, can be expensive, impacting production costs and pricing.

Environmental Concerns: The production and disposal of certain sputtering target materials may raise environmental concerns due to the use of hazardous materials or waste disposal challenges.

Supply Chain Disruptions: Supply chain disruptions, including geopolitical factors, trade restrictions, and raw material availability, can impact the availability and cost of sputtering target materials.

Technological Obsolescence: Rapid advancements in materials science and deposition technologies can lead to the obsolescence of certain sputtering target materials, necessitating continuous innovation.

Competition: The market is competitive, with numerous manufacturers and suppliers. Intense competition can lead to pricing pressures and reduced profit margins.

Quality Control and Consistency: Maintaining consistent quality and performance of sputtering target materials can be challenging, requiring strict quality control measures.

Global Economic Factors: Economic conditions, currency exchange rates, and overall market demand can influence investment decisions in industries that rely on sputtering target materials.

Overall, the Metal & Alloy Sputtering Target Material market's growth is closely tied to technological advancements, the semiconductor and electronics industries, and emerging applications in optics and energy. However, challenges related to material costs, environmental considerations, and supply chain disruptions must be managed to sustain growth in the sector.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Metal & Alloy Sputtering Target Material market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

JX Nippon Mining & Metals Corporation

Praxair

Plansee SE

Mitsui Mining & Smelting

Hitachi Metals

Honeywell

Sumitomo Chemical

ULVAC

Materion (Heraeus)

GRIKIN Advanced Material Co., Ltd.

TOSOH

Ningbo Jiangfeng

Heesung

Luvata

Fujian Acetron New Materials Co., Ltd

Changzhou Sujing Electronic Material

Luoyang Sifon Electronic Materials

FURAYA Metals Co., Ltd

Advantec

Angstrom Sciences

Umicore Thin Film Products

TANAKA

Segment by Type

AluminumSputtering Target Material

Titanium Sputtering Target Material

Copper Sputtering Target Material

Tantalum Sputtering Target Material

Tungsten Sputtering Target Material

Cobalt Sputtering Target Material

Nickel Sputtering Target Material

Molybdenum Sputtering Target Material

Alloy Sputtering Target Material

Others

Segment by Application

Semiconductor

Solar Energy

Flat Panel Display

Production by Region

North America

Europe

China

Japan

South Korea

Consumption by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Metal & Alloy Sputtering Target Material report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

Contents

1 METAL & ALLOY SPUTTERING TARGET MATERIAL MARKET OVERVIEW

1.1 Product Definition

1.2 Metal & Alloy Sputtering Target Material Segment by Type

1.2.1 Global Metal & Alloy Sputtering Target Material Market Value Growth Rate Analysis by Type 2022 VS 2029

1.2.2 Aluminum Sputtering Target Material

1.2.3 Titanium Sputtering Target Material

1.2.4 Copper Sputtering Target Material

1.2.5 Tantalum Sputtering Target Material

1.2.6 Tungsten Sputtering Target Material

1.2.7 Cobalt Sputtering Target Material

1.2.8 Nickel Sputtering Target Material

1.2.9 Molybdenum Sputtering Target Material

1.2.10 Alloy Sputtering Target Material

1.2.11 Others

1.3 Metal & Alloy Sputtering Target Material Segment by Application

1.3.1 Global Metal & Alloy Sputtering Target Material Market Value Growth Rate Analysis by Application: 2022 VS 2029

1.3.2 Semiconductor

1.3.3 Solar Energy

1.3.4 Flat Panel Display

1.4 Global Market Growth Prospects

1.4.1 Global Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts (2018-2029)

1.4.2 Global Metal & Alloy Sputtering Target Material Production Capacity Estimates and Forecasts (2018-2029)

1.4.3 Global Metal & Alloy Sputtering Target Material Production Estimates and Forecasts (2018-2029)

1.4.4 Global Metal & Alloy Sputtering Target Material Market Average Price Estimates and Forecasts (2018-2029)

1.5 Assumptions and Limitations

2 MARKET COMPETITION BY MANUFACTURERS

2.1 Global Metal & Alloy Sputtering Target Material Production Market Share by Manufacturers (2018-2023)

- 2.2 Global Metal & Alloy Sputtering Target Material Production Value Market Share by Manufacturers (2018-2023)
- 2.3 Global Key Players of Metal & Alloy Sputtering Target Material, Industry Ranking, 2021 VS 2022 VS 2023
- 2.4 Global Metal & Alloy Sputtering Target Material Market Share by Company Type (Tier 1, Tier 2 and Tier 3)
- 2.5 Global Metal & Alloy Sputtering Target Material Average Price by Manufacturers (2018-2023)
- 2.6 Global Key Manufacturers of Metal & Alloy Sputtering Target Material, Manufacturing Base Distribution and Headquarters
- 2.7 Global Key Manufacturers of Metal & Alloy Sputtering Target Material, Product Offered and Application
- 2.8 Global Key Manufacturers of Metal & Alloy Sputtering Target Material, Date of Enter into This Industry
- 2.9 Metal & Alloy Sputtering Target Material Market Competitive Situation and Trends
 - 2.9.1 Metal & Alloy Sputtering Target Material Market Concentration Rate
 - 2.9.2 Global 5 and 10 Largest Metal & Alloy Sputtering Target Material Players Market Share by Revenue
- 2.10 Mergers & Acquisitions, Expansion

3 METAL & ALLOY SPUTTERING TARGET MATERIAL PRODUCTION BY REGION

- 3.1 Global Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 3.2 Global Metal & Alloy Sputtering Target Material Production Value by Region (2018-2029)
 - 3.2.1 Global Metal & Alloy Sputtering Target Material Production Value Market Share by Region (2018-2023)
 - 3.2.2 Global Forecasted Production Value of Metal & Alloy Sputtering Target Material by Region (2024-2029)
- 3.3 Global Metal & Alloy Sputtering Target Material Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029
- 3.4 Global Metal & Alloy Sputtering Target Material Production by Region (2018-2029)
 - 3.4.1 Global Metal & Alloy Sputtering Target Material Production Market Share by Region (2018-2023)
 - 3.4.2 Global Forecasted Production of Metal & Alloy Sputtering Target Material by Region (2024-2029)
- 3.5 Global Metal & Alloy Sputtering Target Material Market Price Analysis by Region (2018-2023)

3.6 Global Metal & Alloy Sputtering Target Material Production and Value, Year-over-Year Growth

3.6.1 North America Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts (2018-2029)

3.6.2 Europe Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts (2018-2029)

3.6.3 China Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts (2018-2029)

3.6.4 Japan Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts (2018-2029)

3.6.5 South Korea Metal & Alloy Sputtering Target Material Production Value Estimates and Forecasts (2018-2029)

4 METAL & ALLOY SPUTTERING TARGET MATERIAL CONSUMPTION BY REGION

4.1 Global Metal & Alloy Sputtering Target Material Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

4.2 Global Metal & Alloy Sputtering Target Material Consumption by Region (2018-2029)

4.2.1 Global Metal & Alloy Sputtering Target Material Consumption by Region (2018-2023)

4.2.2 Global Metal & Alloy Sputtering Target Material Forecasted Consumption by Region (2024-2029)

4.3 North America

4.3.1 North America Metal & Alloy Sputtering Target Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.3.2 North America Metal & Alloy Sputtering Target Material Consumption by Country (2018-2029)

4.3.3 U.S.

4.3.4 Canada

4.4 Europe

4.4.1 Europe Metal & Alloy Sputtering Target Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.4.2 Europe Metal & Alloy Sputtering Target Material Consumption by Country (2018-2029)

4.4.3 Germany

4.4.4 France

4.4.5 U.K.

4.4.6 Italy

4.4.7 Russia

4.5 Asia Pacific

4.5.1 Asia Pacific Metal & Alloy Sputtering Target Material Consumption Growth Rate by Region: 2018 VS 2022 VS 2029

4.5.2 Asia Pacific Metal & Alloy Sputtering Target Material Consumption by Region (2018-2029)

4.5.3 China

4.5.4 Japan

4.5.5 South Korea

4.5.6 China Taiwan

4.5.7 Southeast Asia

4.5.8 India

4.6 Latin America, Middle East & Africa

4.6.1 Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.6.2 Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption by Country (2018-2029)

4.6.3 Mexico

4.6.4 Brazil

4.6.5 Turkey

5 SEGMENT BY TYPE

5.1 Global Metal & Alloy Sputtering Target Material Production by Type (2018-2029)

5.1.1 Global Metal & Alloy Sputtering Target Material Production by Type (2018-2023)

5.1.2 Global Metal & Alloy Sputtering Target Material Production by Type (2024-2029)

5.1.3 Global Metal & Alloy Sputtering Target Material Production Market Share by Type (2018-2029)

5.2 Global Metal & Alloy Sputtering Target Material Production Value by Type (2018-2029)

5.2.1 Global Metal & Alloy Sputtering Target Material Production Value by Type (2018-2023)

5.2.2 Global Metal & Alloy Sputtering Target Material Production Value by Type (2024-2029)

5.2.3 Global Metal & Alloy Sputtering Target Material Production Value Market Share by Type (2018-2029)

5.3 Global Metal & Alloy Sputtering Target Material Price by Type (2018-2029)

6 SEGMENT BY APPLICATION

6.1 Global Metal & Alloy Sputtering Target Material Production by Application (2018-2029)

6.1.1 Global Metal & Alloy Sputtering Target Material Production by Application (2018-2023)

6.1.2 Global Metal & Alloy Sputtering Target Material Production by Application (2024-2029)

6.1.3 Global Metal & Alloy Sputtering Target Material Production Market Share by Application (2018-2029)

6.2 Global Metal & Alloy Sputtering Target Material Production Value by Application (2018-2029)

6.2.1 Global Metal & Alloy Sputtering Target Material Production Value by Application (2018-2023)

6.2.2 Global Metal & Alloy Sputtering Target Material Production Value by Application (2024-2029)

6.2.3 Global Metal & Alloy Sputtering Target Material Production Value Market Share by Application (2018-2029)

6.3 Global Metal & Alloy Sputtering Target Material Price by Application (2018-2029)

7 KEY COMPANIES PROFILED

7.1 JX Nippon Mining & Metals Corporation

7.1.1 JX Nippon Mining & Metals Corporation Metal & Alloy Sputtering Target Material Corporation Information

7.1.2 JX Nippon Mining & Metals Corporation Metal & Alloy Sputtering Target Material Product Portfolio

7.1.3 JX Nippon Mining & Metals Corporation Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.1.4 JX Nippon Mining & Metals Corporation Main Business and Markets Served

7.1.5 JX Nippon Mining & Metals Corporation Recent Developments/Updates

7.2 Praxair

7.2.1 Praxair Metal & Alloy Sputtering Target Material Corporation Information

7.2.2 Praxair Metal & Alloy Sputtering Target Material Product Portfolio

7.2.3 Praxair Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.2.4 Praxair Main Business and Markets Served

7.2.5 Praxair Recent Developments/Updates

7.3 Plansee SE

- 7.3.1 Plansee SE Metal & Alloy Sputtering Target Material Corporation Information
- 7.3.2 Plansee SE Metal & Alloy Sputtering Target Material Product Portfolio
- 7.3.3 Plansee SE Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
- 7.3.4 Plansee SE Main Business and Markets Served
- 7.3.5 Plansee SE Recent Developments/Updates
- 7.4 Mitsui Mining & Smelting
 - 7.4.1 Mitsui Mining & Smelting Metal & Alloy Sputtering Target Material Corporation Information
 - 7.4.2 Mitsui Mining & Smelting Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.4.3 Mitsui Mining & Smelting Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.4.4 Mitsui Mining & Smelting Main Business and Markets Served
 - 7.4.5 Mitsui Mining & Smelting Recent Developments/Updates
- 7.5 Hitachi Metals
 - 7.5.1 Hitachi Metals Metal & Alloy Sputtering Target Material Corporation Information
 - 7.5.2 Hitachi Metals Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.5.3 Hitachi Metals Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.5.4 Hitachi Metals Main Business and Markets Served
 - 7.5.5 Hitachi Metals Recent Developments/Updates
- 7.6 Honeywell
 - 7.6.1 Honeywell Metal & Alloy Sputtering Target Material Corporation Information
 - 7.6.2 Honeywell Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.6.3 Honeywell Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.6.4 Honeywell Main Business and Markets Served
 - 7.6.5 Honeywell Recent Developments/Updates
- 7.7 Sumitomo Chemical
 - 7.7.1 Sumitomo Chemical Metal & Alloy Sputtering Target Material Corporation Information
 - 7.7.2 Sumitomo Chemical Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.7.3 Sumitomo Chemical Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.7.4 Sumitomo Chemical Main Business and Markets Served
 - 7.7.5 Sumitomo Chemical Recent Developments/Updates
- 7.8 ULVAC
 - 7.8.1 ULVAC Metal & Alloy Sputtering Target Material Corporation Information

- 7.8.2 ULVAC Metal & Alloy Sputtering Target Material Product Portfolio
- 7.8.3 ULVAC Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
- 7.8.4 ULVAC Main Business and Markets Served
- 7.7.5 ULVAC Recent Developments/Updates
- 7.9 Materion (Heraeus)
 - 7.9.1 Materion (Heraeus) Metal & Alloy Sputtering Target Material Corporation Information
 - 7.9.2 Materion (Heraeus) Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.9.3 Materion (Heraeus) Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.9.4 Materion (Heraeus) Main Business and Markets Served
 - 7.9.5 Materion (Heraeus) Recent Developments/Updates
- 7.10 GRIKIN Advanced Material Co., Ltd.
 - 7.10.1 GRIKIN Advanced Material Co., Ltd. Metal & Alloy Sputtering Target Material Corporation Information
 - 7.10.2 GRIKIN Advanced Material Co., Ltd. Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.10.3 GRIKIN Advanced Material Co., Ltd. Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.10.4 GRIKIN Advanced Material Co., Ltd. Main Business and Markets Served
 - 7.10.5 GRIKIN Advanced Material Co., Ltd. Recent Developments/Updates
- 7.11 TOSOH
 - 7.11.1 TOSOH Metal & Alloy Sputtering Target Material Corporation Information
 - 7.11.2 TOSOH Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.11.3 TOSOH Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.11.4 TOSOH Main Business and Markets Served
 - 7.11.5 TOSOH Recent Developments/Updates
- 7.12 Ningbo Jiangfeng
 - 7.12.1 Ningbo Jiangfeng Metal & Alloy Sputtering Target Material Corporation Information
 - 7.12.2 Ningbo Jiangfeng Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.12.3 Ningbo Jiangfeng Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.12.4 Ningbo Jiangfeng Main Business and Markets Served
 - 7.12.5 Ningbo Jiangfeng Recent Developments/Updates
- 7.13 Heesung
 - 7.13.1 Heesung Metal & Alloy Sputtering Target Material Corporation Information

- 7.13.2 Heesung Metal & Alloy Sputtering Target Material Product Portfolio
- 7.13.3 Heesung Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
- 7.13.4 Heesung Main Business and Markets Served
- 7.13.5 Heesung Recent Developments/Updates
- 7.14 Luvata
 - 7.14.1 Luvata Metal & Alloy Sputtering Target Material Corporation Information
 - 7.14.2 Luvata Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.14.3 Luvata Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.14.4 Luvata Main Business and Markets Served
 - 7.14.5 Luvata Recent Developments/Updates
- 7.15 Fujian Acetron New Materials Co., Ltd
 - 7.15.1 Fujian Acetron New Materials Co., Ltd Metal & Alloy Sputtering Target Material Corporation Information
 - 7.15.2 Fujian Acetron New Materials Co., Ltd Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.15.3 Fujian Acetron New Materials Co., Ltd Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.15.4 Fujian Acetron New Materials Co., Ltd Main Business and Markets Served
 - 7.15.5 Fujian Acetron New Materials Co., Ltd Recent Developments/Updates
- 7.16 Changzhou Sujing Electronic Material
 - 7.16.1 Changzhou Sujing Electronic Material Metal & Alloy Sputtering Target Material Corporation Information
 - 7.16.2 Changzhou Sujing Electronic Material Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.16.3 Changzhou Sujing Electronic Material Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.16.4 Changzhou Sujing Electronic Material Main Business and Markets Served
 - 7.16.5 Changzhou Sujing Electronic Material Recent Developments/Updates
- 7.17 Luoyang Sifon Electronic Materials
 - 7.17.1 Luoyang Sifon Electronic Materials Metal & Alloy Sputtering Target Material Corporation Information
 - 7.17.2 Luoyang Sifon Electronic Materials Metal & Alloy Sputtering Target Material Product Portfolio
 - 7.17.3 Luoyang Sifon Electronic Materials Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)
 - 7.17.4 Luoyang Sifon Electronic Materials Main Business and Markets Served
 - 7.17.5 Luoyang Sifon Electronic Materials Recent Developments/Updates

7.18 FURAYA Metals Co., Ltd

7.18.1 FURAYA Metals Co., Ltd Metal & Alloy Sputtering Target Material Corporation Information

7.18.2 FURAYA Metals Co., Ltd Metal & Alloy Sputtering Target Material Product Portfolio

7.18.3 FURAYA Metals Co., Ltd Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.18.4 FURAYA Metals Co., Ltd Main Business and Markets Served

7.18.5 FURAYA Metals Co., Ltd Recent Developments/Updates

7.19 Advantec

7.19.1 Advantec Metal & Alloy Sputtering Target Material Corporation Information

7.19.2 Advantec Metal & Alloy Sputtering Target Material Product Portfolio

7.19.3 Advantec Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.19.4 Advantec Main Business and Markets Served

7.19.5 Advantec Recent Developments/Updates

7.20 Angstrom Sciences

7.20.1 Angstrom Sciences Metal & Alloy Sputtering Target Material Corporation Information

7.20.2 Angstrom Sciences Metal & Alloy Sputtering Target Material Product Portfolio

7.20.3 Angstrom Sciences Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.20.4 Angstrom Sciences Main Business and Markets Served

7.20.5 Angstrom Sciences Recent Developments/Updates

7.21 Umicore Thin Film Products

7.21.1 Umicore Thin Film Products Metal & Alloy Sputtering Target Material Corporation Information

7.21.2 Umicore Thin Film Products Metal & Alloy Sputtering Target Material Product Portfolio

7.21.3 Umicore Thin Film Products Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.21.4 Umicore Thin Film Products Main Business and Markets Served

7.21.5 Umicore Thin Film Products Recent Developments/Updates

7.22 TANAKA

7.22.1 TANAKA Metal & Alloy Sputtering Target Material Corporation Information

7.22.2 TANAKA Metal & Alloy Sputtering Target Material Product Portfolio

7.22.3 TANAKA Metal & Alloy Sputtering Target Material Production, Value, Price and Gross Margin (2018-2023)

7.22.4 TANAKA Main Business and Markets Served

7.22.5 TANAKA Recent Developments/Updates

8 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS

8.1 Metal & Alloy Sputtering Target Material Industry Chain Analysis

8.2 Metal & Alloy Sputtering Target Material Key Raw Materials

8.2.1 Key Raw Materials

8.2.2 Raw Materials Key Suppliers

8.3 Metal & Alloy Sputtering Target Material Production Mode & Process

8.4 Metal & Alloy Sputtering Target Material Sales and Marketing

8.4.1 Metal & Alloy Sputtering Target Material Sales Channels

8.4.2 Metal & Alloy Sputtering Target Material Distributors

8.5 Metal & Alloy Sputtering Target Material Customers

9 METAL & ALLOY SPUTTERING TARGET MATERIAL MARKET DYNAMICS

9.1 Metal & Alloy Sputtering Target Material Industry Trends

9.2 Metal & Alloy Sputtering Target Material Market Drivers

9.3 Metal & Alloy Sputtering Target Material Market Challenges

9.4 Metal & Alloy Sputtering Target Material Market Restraints

10 RESEARCH FINDING AND CONCLUSION

11 METHODOLOGY AND DATA SOURCE

11.1 Methodology/Research Approach

11.1.1 Research Programs/Design

11.1.2 Market Size Estimation

11.1.3 Market Breakdown and Data Triangulation

11.2 Data Source

11.2.1 Secondary Sources

11.2.2 Primary Sources

11.3 Author List

11.4 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Metal & Alloy Sputtering Target Material Market Value by Type, (US\$ Million) & (2022 VS 2029)

Table 2. Global Metal & Alloy Sputtering Target Material Market Value by Application, (US\$ Million) & (2022 VS 2029)

Table 3. Global Metal & Alloy Sputtering Target Material Production Capacity (MT) by Manufacturers in 2022

Table 4. Global Metal & Alloy Sputtering Target Material Production by Manufacturers (2018-2023) & (MT)

Table 5. Global Metal & Alloy Sputtering Target Material Production Market Share by Manufacturers (2018-2023)

Table 6. Global Metal & Alloy Sputtering Target Material Production Value by Manufacturers (2018-2023) & (US\$ Million)

Table 7. Global Metal & Alloy Sputtering Target Material Production Value Share by Manufacturers (2018-2023)

Table 8. Global Metal & Alloy Sputtering Target Material Industry Ranking 2021 VS 2022 VS 2023

Table 9. Company Type (Tier 1, Tier 2 and Tier 3) & (based on the Revenue in Metal & Alloy Sputtering Target Material as of 2022)

Table 10. Global Market Metal & Alloy Sputtering Target Material Average Price by Manufacturers (USD/Kg) & (2018-2023)

Table 11. Manufacturers Metal & Alloy Sputtering Target Material Production Sites and Area Served

Table 12. Manufacturers Metal & Alloy Sputtering Target Material Product Types

Table 13. Global Metal & Alloy Sputtering Target Material Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion

Table 15. Global Metal & Alloy Sputtering Target Material Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 16. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million) by Region (2018-2023)

Table 17. Global Metal & Alloy Sputtering Target Material Production Value Market Share by Region (2018-2023)

Table 18. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million) Forecast by Region (2024-2029)

Table 19. Global Metal & Alloy Sputtering Target Material Production Value Market

Share Forecast by Region (2024-2029)

Table 20. Global Metal & Alloy Sputtering Target Material Production Comparison by Region: 2018 VS 2022 VS 2029 (MT)

Table 21. Global Metal & Alloy Sputtering Target Material Production (MT) by Region (2018-2023)

Table 22. Global Metal & Alloy Sputtering Target Material Production Market Share by Region (2018-2023)

Table 23. Global Metal & Alloy Sputtering Target Material Production (MT) Forecast by Region (2024-2029)

Table 24. Global Metal & Alloy Sputtering Target Material Production Market Share Forecast by Region (2024-2029)

Table 25. Global Metal & Alloy Sputtering Target Material Market Average Price (USD/Kg) by Region (2018-2023)

Table 26. Global Metal & Alloy Sputtering Target Material Market Average Price (USD/Kg) by Region (2024-2029)

Table 27. Global Metal & Alloy Sputtering Target Material Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (MT)

Table 28. Global Metal & Alloy Sputtering Target Material Consumption by Region (2018-2023) & (MT)

Table 29. Global Metal & Alloy Sputtering Target Material Consumption Market Share by Region (2018-2023)

Table 30. Global Metal & Alloy Sputtering Target Material Forecasted Consumption by Region (2024-2029) & (MT)

Table 31. Global Metal & Alloy Sputtering Target Material Forecasted Consumption Market Share by Region (2018-2023)

Table 32. North America Metal & Alloy Sputtering Target Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 33. North America Metal & Alloy Sputtering Target Material Consumption by Country (2018-2023) & (MT)

Table 34. North America Metal & Alloy Sputtering Target Material Consumption by Country (2024-2029) & (MT)

Table 35. Europe Metal & Alloy Sputtering Target Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 36. Europe Metal & Alloy Sputtering Target Material Consumption by Country (2018-2023) & (MT)

Table 37. Europe Metal & Alloy Sputtering Target Material Consumption by Country (2024-2029) & (MT)

Table 38. Asia Pacific Metal & Alloy Sputtering Target Material Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (MT)

Table 39. Asia Pacific Metal & Alloy Sputtering Target Material Consumption by Region (2018-2023) & (MT)

Table 40. Asia Pacific Metal & Alloy Sputtering Target Material Consumption by Region (2024-2029) & (MT)

Table 41. Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 42. Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption by Country (2018-2023) & (MT)

Table 43. Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption by Country (2024-2029) & (MT)

Table 44. Global Metal & Alloy Sputtering Target Material Production (MT) by Type (2018-2023)

Table 45. Global Metal & Alloy Sputtering Target Material Production (MT) by Type (2024-2029)

Table 46. Global Metal & Alloy Sputtering Target Material Production Market Share by Type (2018-2023)

Table 47. Global Metal & Alloy Sputtering Target Material Production Market Share by Type (2024-2029)

Table 48. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million) by Type (2018-2023)

Table 49. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million) by Type (2024-2029)

Table 50. Global Metal & Alloy Sputtering Target Material Production Value Share by Type (2018-2023)

Table 51. Global Metal & Alloy Sputtering Target Material Production Value Share by Type (2024-2029)

Table 52. Global Metal & Alloy Sputtering Target Material Price (USD/Kg) by Type (2018-2023)

Table 53. Global Metal & Alloy Sputtering Target Material Price (USD/Kg) by Type (2024-2029)

Table 54. Global Metal & Alloy Sputtering Target Material Production (MT) by Application (2018-2023)

Table 55. Global Metal & Alloy Sputtering Target Material Production (MT) by Application (2024-2029)

Table 56. Global Metal & Alloy Sputtering Target Material Production Market Share by Application (2018-2023)

Table 57. Global Metal & Alloy Sputtering Target Material Production Market Share by Application (2024-2029)

Table 58. Global Metal & Alloy Sputtering Target Material Production Value (US\$

Million) by Application (2018-2023)

Table 59. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million) by Application (2024-2029)

Table 60. Global Metal & Alloy Sputtering Target Material Production Value Share by Application (2018-2023)

Table 61. Global Metal & Alloy Sputtering Target Material Production Value Share by Application (2024-2029)

Table 62. Global Metal & Alloy Sputtering Target Material Price (USD/Kg) by Application (2018-2023)

Table 63. Global Metal & Alloy Sputtering Target Material Price (USD/Kg) by Application (2024-2029)

Table 64. JX Nippon Mining & Metals Corporation Metal & Alloy Sputtering Target Material Corporation Information

Table 65. JX Nippon Mining & Metals Corporation Specification and Application

Table 66. JX Nippon Mining & Metals Corporation Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)

Table 67. JX Nippon Mining & Metals Corporation Main Business and Markets Served

Table 68. JX Nippon Mining & Metals Corporation Recent Developments/Updates

Table 69. Praxair Metal & Alloy Sputtering Target Material Corporation Information

Table 70. Praxair Specification and Application

Table 71. Praxair Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)

Table 72. Praxair Main Business and Markets Served

Table 73. Praxair Recent Developments/Updates

Table 74. Plansee SE Metal & Alloy Sputtering Target Material Corporation Information

Table 75. Plansee SE Specification and Application

Table 76. Plansee SE Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)

Table 77. Plansee SE Main Business and Markets Served

Table 78. Plansee SE Recent Developments/Updates

Table 79. Mitsui Mining & Smelting Metal & Alloy Sputtering Target Material Corporation Information

Table 80. Mitsui Mining & Smelting Specification and Application

Table 81. Mitsui Mining & Smelting Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)

Table 82. Mitsui Mining & Smelting Main Business and Markets Served

Table 83. Mitsui Mining & Smelting Recent Developments/Updates

Table 84. Hitachi Metals Metal & Alloy Sputtering Target Material Corporation

Information

- Table 85. Hitachi Metals Specification and Application
- Table 86. Hitachi Metals Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 87. Hitachi Metals Main Business and Markets Served
- Table 88. Hitachi Metals Recent Developments/Updates
- Table 89. Honeywell Metal & Alloy Sputtering Target Material Corporation Information
- Table 90. Honeywell Specification and Application
- Table 91. Honeywell Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 92. Honeywell Main Business and Markets Served
- Table 93. Honeywell Recent Developments/Updates
- Table 94. Sumitomo Chemical Metal & Alloy Sputtering Target Material Corporation Information
- Table 95. Sumitomo Chemical Specification and Application
- Table 96. Sumitomo Chemical Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 97. Sumitomo Chemical Main Business and Markets Served
- Table 98. Sumitomo Chemical Recent Developments/Updates
- Table 99. ULVAC Metal & Alloy Sputtering Target Material Corporation Information
- Table 100. ULVAC Specification and Application
- Table 101. ULVAC Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 102. ULVAC Main Business and Markets Served
- Table 103. ULVAC Recent Developments/Updates
- Table 104. Materion (Heraeus) Metal & Alloy Sputtering Target Material Corporation Information
- Table 105. Materion (Heraeus) Specification and Application
- Table 106. Materion (Heraeus) Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 107. Materion (Heraeus) Main Business and Markets Served
- Table 108. Materion (Heraeus) Recent Developments/Updates
- Table 109. GRIKIN Advanced Material Co., Ltd. Metal & Alloy Sputtering Target Material Corporation Information
- Table 110. GRIKIN Advanced Material Co., Ltd. Specification and Application
- Table 111. GRIKIN Advanced Material Co., Ltd. Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 112. GRIKIN Advanced Material Co., Ltd. Main Business and Markets Served

- Table 113. GRIKIN Advanced Material Co., Ltd. Recent Developments/Updates
- Table 114. TOSOH Metal & Alloy Sputtering Target Material Corporation Information
- Table 115. TOSOH Specification and Application
- Table 116. TOSOH Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 117. TOSOH Main Business and Markets Served
- Table 118. TOSOH Recent Developments/Updates
- Table 119. Ningbo Jiangfeng Metal & Alloy Sputtering Target Material Corporation Information
- Table 120. Ningbo Jiangfeng Specification and Application
- Table 121. Ningbo Jiangfeng Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 122. Ningbo Jiangfeng Main Business and Markets Served
- Table 123. Ningbo Jiangfeng Recent Developments/Updates
- Table 124. Heesung Metal & Alloy Sputtering Target Material Corporation Information
- Table 125. Heesung Specification and Application
- Table 126. Heesung Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 127. Heesung Main Business and Markets Served
- Table 128. Heesung Recent Developments/Updates
- Table 129. Luvata Metal & Alloy Sputtering Target Material Corporation Information
- Table 130. Luvata Specification and Application
- Table 131. Luvata Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 132. Luvata Main Business and Markets Served
- Table 133. Luvata Recent Developments/Updates
- Table 134. Luvata Metal & Alloy Sputtering Target Material Corporation Information
- Table 135. Fujian Acetron New Materials Co., Ltd Specification and Application
- Table 136. Fujian Acetron New Materials Co., Ltd Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 137. Fujian Acetron New Materials Co., Ltd Main Business and Markets Served
- Table 138. Fujian Acetron New Materials Co., Ltd Recent Developments/Updates
- Table 139. Changzhou Sujing Electronic Material Metal & Alloy Sputtering Target Material Corporation Information
- Table 140. Changzhou Sujing Electronic Material Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 141. Changzhou Sujing Electronic Material Main Business and Markets Served

- Table 142. Changzhou Sujing Electronic Material Recent Developments/Updates
- Table 143. Luoyang Sifon Electronic Materials Metal & Alloy Sputtering Target Material Corporation Information
- Table 144. Luoyang Sifon Electronic Materials Specification and Application
- Table 145. Luoyang Sifon Electronic Materials Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 146. Luoyang Sifon Electronic Materials Main Business and Markets Served
- Table 147. Luoyang Sifon Electronic Materials Recent Developments/Updates
- Table 148. FURAYA Metals Co., Ltd Metal & Alloy Sputtering Target Material Corporation Information
- Table 149. FURAYA Metals Co., Ltd Specification and Application
- Table 150. FURAYA Metals Co., Ltd Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 151. FURAYA Metals Co., Ltd Main Business and Markets Served
- Table 152. FURAYA Metals Co., Ltd Recent Developments/Updates
- Table 153. Advantec Metal & Alloy Sputtering Target Material Corporation Information
- Table 154. Advantec Specification and Application
- Table 155. Advantec Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 156. Advantec Main Business and Markets Served
- Table 157. Advantec Recent Developments/Updates
- Table 158. Angstrom Sciences Metal & Alloy Sputtering Target Material Corporation Information
- Table 159. Angstrom Sciences Specification and Application
- Table 160. Angstrom Sciences Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 161. Angstrom Sciences Main Business and Markets Served
- Table 162. Angstrom Sciences Recent Developments/Updates
- Table 163. Umicore Thin Film Products Metal & Alloy Sputtering Target Material Corporation Information
- Table 164. Umicore Thin Film Products Specification and Application
- Table 165. Umicore Thin Film Products Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)
- Table 166. Umicore Thin Film Products Main Business and Markets Served
- Table 167. Umicore Thin Film Products Recent Developments/Updates
- Table 168. TANAKA Metal & Alloy Sputtering Target Material Corporation Information
- Table 169. TANAKA Specification and Application
- Table 170. TANAKA Metal & Alloy Sputtering Target Material Production (MT), Value (US\$ Million), Price (USD/Kg) and Gross Margin (2018-2023)

Table 171. TANAKA Main Business and Markets Served

Table 172. TANAKA Recent Developments/Updates

Table 173. Key Raw Materials Lists

Table 174. Raw Materials Key Suppliers Lists

Table 175. Metal & Alloy Sputtering Target Material Distributors List

Table 176. Metal & Alloy Sputtering Target Material Customers List

Table 177. Metal & Alloy Sputtering Target Material Market Trends

Table 178. Metal & Alloy Sputtering Target Material Market Drivers

Table 179. Metal & Alloy Sputtering Target Material Market Challenges

Table 180. Metal & Alloy Sputtering Target Material Market Restraints

Table 181. Research Programs/Design for This Report

Table 182. Key Data Information from Secondary Sources

Table 183. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Metal & Alloy Sputtering Target Material
- Figure 2. Global Metal & Alloy Sputtering Target Material Market Value by Type, (US\$ Million) & (2022 VS 2029)
- Figure 3. Global Metal & Alloy Sputtering Target Material Market Share by Type: 2022 VS 2029
- Figure 4. Aluminum Sputtering Target Material Product Picture
- Figure 5. Titanium Sputtering Target Material Product Picture
- Figure 6. Copper Sputtering Target Material Product Picture
- Figure 7. Tantalum Sputtering Target Material Product Picture
- Figure 8. Tungsten Sputtering Target Material Product Picture
- Figure 9. Cobalt Sputtering Target Material Product Picture
- Figure 10. Nickel Sputtering Target Material Product Picture
- Figure 11. Molybdenum Sputtering Target Material Product Picture
- Figure 12. Alloy Sputtering Target Material Product Picture
- Figure 13. Others Product Picture
- Figure 14. Global Metal & Alloy Sputtering Target Material Market Value by Application, (US\$ Million) & (2022 VS 2029)
- Figure 15. Global Metal & Alloy Sputtering Target Material Market Share by Application: 2022 VS 2029
- Figure 16. Semiconductor
- Figure 17. Solar Energy
- Figure 18. Flat Panel Display
- Figure 19. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million), 2018 VS 2022 VS 2029
- Figure 20. Global Metal & Alloy Sputtering Target Material Production Value (US\$ Million) & (2018-2029)
- Figure 21. Global Metal & Alloy Sputtering Target Material Production (MT) & (2018-2029)
- Figure 22. Global Metal & Alloy Sputtering Target Material Average Price (USD/Kg) & (2018-2029)
- Figure 23. Metal & Alloy Sputtering Target Material Report Years Considered
- Figure 24. Metal & Alloy Sputtering Target Material Production Share by Manufacturers in 2022
- Figure 25. Metal & Alloy Sputtering Target Material Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022

Figure 26. The Global 5 and 10 Largest Players: Market Share by Metal & Alloy Sputtering Target Material Revenue in 2022

Figure 27. Global Metal & Alloy Sputtering Target Material Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Figure 28. Global Metal & Alloy Sputtering Target Material Production Value Market Share by Region: 2018 VS 2022 VS 2029

Figure 29. Global Metal & Alloy Sputtering Target Material Production Comparison by Region: 2018 VS 2022 VS 2029 (MT)

Figure 30. Global Metal & Alloy Sputtering Target Material Production Market Share by Region: 2018 VS 2022 VS 2029

Figure 31. North America Metal & Alloy Sputtering Target Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 32. Europe Metal & Alloy Sputtering Target Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 33. China Metal & Alloy Sputtering Target Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 34. Japan Metal & Alloy Sputtering Target Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 35. South Korea Metal & Alloy Sputtering Target Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 36. Global Metal & Alloy Sputtering Target Material Consumption by Region: 2018 VS 2022 VS 2029 (MT)

Figure 37. Global Metal & Alloy Sputtering Target Material Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 38. North America Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 39. North America Metal & Alloy Sputtering Target Material Consumption Market Share by Country (2018-2029)

Figure 40. Canada Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 41. U.S. Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 42. Europe Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 43. Europe Metal & Alloy Sputtering Target Material Consumption Market Share by Country (2018-2029)

Figure 44. Germany Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 45. France Metal & Alloy Sputtering Target Material Consumption and Growth

Rate (2018-2023) & (MT)

Figure 46. U.K. Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 47. Italy Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 48. Russia Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 49. Asia Pacific Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 50. Asia Pacific Metal & Alloy Sputtering Target Material Consumption Market Share by Regions (2018-2029)

Figure 51. China Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 52. Japan Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 53. South Korea Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 54. China Taiwan Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 55. Southeast Asia Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 56. India Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 57. Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 58. Latin America, Middle East & Africa Metal & Alloy Sputtering Target Material Consumption Market Share by Country (2018-2029)

Figure 59. Mexico Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 60. Brazil Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 61. Turkey Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 62. GCC Countries Metal & Alloy Sputtering Target Material Consumption and Growth Rate (2018-2023) & (MT)

Figure 63. Global Production Market Share of Metal & Alloy Sputtering Target Material by Type (2018-2029)

Figure 64. Global Production Value Market Share of Metal & Alloy Sputtering Target Material by Type (2018-2029)

Figure 65. Global Metal & Alloy Sputtering Target Material Price (USD/Kg) by Type (2018-2029)

Figure 66. Global Production Market Share of Metal & Alloy Sputtering Target Material by Application (2018-2029)

Figure 67. Global Production Value Market Share of Metal & Alloy Sputtering Target Material by Application (2018-2029)

Figure 68. Global Metal & Alloy Sputtering Target Material Price (USD/Kg) by Application (2018-2029)

Figure 69. Metal & Alloy Sputtering Target Material Value Chain

Figure 70. Metal & Alloy Sputtering Target Material Production Process

Figure 71. Channels of Distribution (Direct Vs Distribution)

Figure 72. Distributors Profiles

Figure 73. Bottom-up and Top-down Approaches for This Report

Figure 74. Data Triangulation

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