

Global Oxide Dispersion Strengthened (ODS) Alloys Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GB08BB6DB0B9EN.html>

Date: August 2026

Pages: 122

Price: US\$ 4,480.00 (Single User License)

ID: GB08BB6DB0B9EN

Abstracts

The global Oxide Dispersion Strengthened (ODS) Alloys market size is expected to reach \$ 741 million by 2032, rising at a market growth of 7.1% CAGR during the forecast period (2026-2032).

Oxide Dispersion Strengthened (ODS) Alloys are advanced metallic materials in which a fine and stable dispersion of nano-scale oxide particles (typically Y_2O_3) is embedded within a metallic matrix (Fe-, Ni-, or Cr-based alloys). These oxide particles act as stable obstacles to dislocation motion and grain boundary migration, enabling exceptional high-temperature strength, creep resistance, and radiation tolerance. Unlike conventional strengthening mechanisms (solid-solution or precipitation hardening), ODS strengthening relies on thermally stable nano-oxides that remain effective at extreme temperatures. In 2025, global Oxide Dispersion Strengthened (ODS) Alloys production reached approximately 5.12 Kilotons. The ODS alloy industry chain is characterized by advanced powder metallurgy and high-end material engineering. Upstream includes high-purity metal powders (Fe, Ni, Cr) and nano-scale oxide powders (mainly Y_2O_3), as well as mechanical alloying equipment such as high-energy ball mills.

Oxide Dispersion Strengthened (ODS) alloys represent a class of advanced high-temperature structural materials designed for extreme service environments. The market is relatively small in size but extremely high in technological barriers, and is considered a strategic niche within advanced materials. Commercial adoption of ODS alloys is currently concentrated in two major sectors: nuclear energy and aerospace, with nuclear applications—particularly fuel cladding and structural components for fast reactors and Generation IV nuclear systems—accounting for the largest share of demand.

This report studies the global Oxide Dispersion Strengthened (ODS) Alloys production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Oxide Dispersion Strengthened (ODS) Alloys total production and demand, 2021-2032, (Kilotons)

Global Oxide Dispersion Strengthened (ODS) Alloys total production value, 2021-2032, (USD Million)

Global Oxide Dispersion Strengthened (ODS) Alloys production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Oxide Dispersion Strengthened (ODS) Alloys consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Oxide Dispersion Strengthened (ODS) Alloys domestic production, consumption, key domestic manufacturers and share

Global Oxide Dispersion Strengthened (ODS) Alloys production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Oxide Dispersion Strengthened (ODS) Alloys production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Oxide Dispersion Strengthened (ODS) Alloys production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Oxide Dispersion Strengthened (ODS) Alloys market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sandvik AB, JFE Steel Corporation, Nippon Steel Corporation, Proterial Ltd, VDM Metals GmbH, GE Aerospace, MBN Nanomaterialia S.p.A., Precision Castparts Corp., IMR, Central Iron & Steel Research Institute, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Oxide Dispersion Strengthened (ODS) Alloys market

Detailed Segmentation:

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

Global Oxide Dispersion Strengthened (ODS) Alloys Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Oxide Dispersion Strengthened (ODS) Alloys Market, Segmentation by Type:

Iron-based ODS

Nickel-based ODS

Chromium-based ODS

Aluminum-based ODS

Others

Global Oxide Dispersion Strengthened (ODS) Alloys Market, Segmentation by Processing Route:

MA + HIP

Powder Metallurgy Extrusion

Additive Manufacturing

Mechanical Spraying/Composite Path

Global Oxide Dispersion Strengthened (ODS) Alloys Market, Segmentation by Performance Grade:

Standard High Temperature ODS (800?1000?C)

Ultra-High Temperature ODS (>1000?C)

Irradiation Resistant ODS (Nuclear Grade)

Global Oxide Dispersion Strengthened (ODS) Alloys Market, Segmentation by Application:

Aerospace

Marine

Chemical

Energy

Others

Companies Profiled:

Sandvik AB

JFE Steel Corporation

Nippon Steel Corporation

Proterial Ltd

VDM Metals GmbH

GE Aerospace

MBN Nanomaterialia S.p.A.

Precision Castparts Corp.

IMR

Central Iron & Steel Research Institute

CIAE

Baoshan Iron & Steel

Key Questions Answered:

1. How big is the global Oxide Dispersion Strengthened (ODS) Alloys market?
2. What is the demand of the global Oxide Dispersion Strengthened (ODS) Alloys market?
3. What is the year over year growth of the global Oxide Dispersion Strengthened (ODS) Alloys market?
4. What is the production and production value of the global Oxide Dispersion Strengthened (ODS) Alloys market?
5. Who are the key producers in the global Oxide Dispersion Strengthened (ODS)

Alloys market?

6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

1.1 Oxide Dispersion Strengthened (ODS) Alloys Introduction

1.2 World Oxide Dispersion Strengthened (ODS) Alloys Supply & Forecast

1.2.1 World Oxide Dispersion Strengthened (ODS) Alloys Production Value (2021 & 2025 & 2032)

1.2.2 World Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032)

1.2.3 World Oxide Dispersion Strengthened (ODS) Alloys Pricing Trends (2021-2032)

1.3 World Oxide Dispersion Strengthened (ODS) Alloys Production by Region (Based on Production Site)

1.3.1 World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Region (2021-2032)

1.3.2 World Oxide Dispersion Strengthened (ODS) Alloys Production by Region (2021-2032)

1.3.3 World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Region (2021-2032)

1.3.4 North America Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032)

1.3.5 Europe Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032)

1.3.6 China Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032)

1.3.7 Japan Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032)

1.4 Market Drivers, Restraints and Trends

1.4.1 Oxide Dispersion Strengthened (ODS) Alloys Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Oxide Dispersion Strengthened (ODS) Alloys Major Market Trends

2 DEMAND SUMMARY

2.1 World Oxide Dispersion Strengthened (ODS) Alloys Demand (2021-2032)

2.2 World Oxide Dispersion Strengthened (ODS) Alloys Consumption by Region

2.2.1 World Oxide Dispersion Strengthened (ODS) Alloys Consumption by Region (2021-2026)

2.2.2 World Oxide Dispersion Strengthened (ODS) Alloys Consumption Forecast by Region (2027-2032)

2.3 United States Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032)

2.4 China Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032)

2.5 Europe Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032)

2.6 Japan Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032)

2.7 South Korea Oxide Dispersion Strengthened (ODS) Alloys Consumption
(2021-2032)

2.8 ASEAN Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032)

2.9 India Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Oxide Dispersion Strengthened (ODS) Alloys Production Value by
Manufacturer (2021-2026)

3.2 World Oxide Dispersion Strengthened (ODS) Alloys Production by Manufacturer
(2021-2026)

3.3 World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Manufacturer
(2021-2026)

3.4 Oxide Dispersion Strengthened (ODS) Alloys Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Oxide Dispersion Strengthened (ODS) Alloys Industry Rank of Major
Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Oxide Dispersion Strengthened (ODS)
Alloys in 2025

3.5.3 Global Concentration Ratios (CR8) for Oxide Dispersion Strengthened (ODS)
Alloys in 2025

3.6 Oxide Dispersion Strengthened (ODS) Alloys Market: Overall Company Footprint
Analysis

3.6.1 Oxide Dispersion Strengthened (ODS) Alloys Market: Region Footprint

3.6.2 Oxide Dispersion Strengthened (ODS) Alloys Market: Company Product Type
Footprint

3.6.3 Oxide Dispersion Strengthened (ODS) Alloys Market: Company Product
Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Value Comparison

4.1.1 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Comparison

4.2.1 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Consumption Comparison

4.3.1 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value (2021-2026)

4.4.3 United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2026)

4.5 China Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers and Market Share

4.5.1 China Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value (2021-2026)

4.5.3 China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2026)

4.6 Rest of World Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS)

Alloys Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS)

Alloys Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Oxide Dispersion Strengthened (ODS) Alloys Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Iron-based ODS

5.2.2 Nickel-based ODS

5.2.3 Chromium-based ODS

5.2.4 Aluminum-based ODS

5.2.5 Others

5.3 Market Segment by Type

5.3.1 World Oxide Dispersion Strengthened (ODS) Alloys Production by Type (2021-2032)

5.3.2 World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Type (2021-2032)

5.3.3 World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PROCESSING ROUTE

6.1 World Oxide Dispersion Strengthened (ODS) Alloys Market Size Overview by Processing Route: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Processing Route

6.2.1 MA + HIP

6.2.2 Powder Metallurgy Extrusion

6.2.3 Additive Manufacturing

6.2.4 Mechanical Spraying/Composite Path

6.3 Market Segment by Processing Route

6.3.1 World Oxide Dispersion Strengthened (ODS) Alloys Production by Processing Route (2021-2032)

6.3.2 World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Processing Route (2021-2032)

6.3.3 World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Processing Route (2021-2032)

7 MARKET ANALYSIS BY PERFORMANCE GRADE

7.1 World Oxide Dispersion Strengthened (ODS) Alloys Market Size Overview by Performance Grade: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Performance Grade

7.2.1 Standard High Temperature ODS (800?1000°C)

7.2.2 Ultra-High Temperature ODS (>1000°C)

7.2.3 Irradiation Resistant ODS (Nuclear Grade)

7.3 Market Segment by Performance Grade

7.3.1 World Oxide Dispersion Strengthened (ODS) Alloys Production by Performance Grade (2021-2032)

7.3.2 World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Performance Grade (2021-2032)

7.3.3 World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Performance Grade (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Oxide Dispersion Strengthened (ODS) Alloys Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Aerospace

8.2.2 Marine

8.2.3 Chemical

8.2.4 Energy

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Oxide Dispersion Strengthened (ODS) Alloys Production by Application (2021-2032)

8.3.2 World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Application (2021-2032)

8.3.3 World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Sandvik AB

9.1.1 Sandvik AB Details

9.1.2 Sandvik AB Major Business

- 9.1.3 Sandvik AB Oxide Dispersion Strengthened (ODS) Alloys Product and Services
- 9.1.4 Sandvik AB Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Sandvik AB Recent Developments/Updates
- 9.1.6 Sandvik AB Competitive Strengths & Weaknesses
- 9.2 JFE Steel Corporation
 - 9.2.1 JFE Steel Corporation Details
 - 9.2.2 JFE Steel Corporation Major Business
 - 9.2.3 JFE Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Product and Services
 - 9.2.4 JFE Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.2.5 JFE Steel Corporation Recent Developments/Updates
 - 9.2.6 JFE Steel Corporation Competitive Strengths & Weaknesses
- 9.3 Nippon Steel Corporation
 - 9.3.1 Nippon Steel Corporation Details
 - 9.3.2 Nippon Steel Corporation Major Business
 - 9.3.3 Nippon Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Product and Services
 - 9.3.4 Nippon Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Nippon Steel Corporation Recent Developments/Updates
 - 9.3.6 Nippon Steel Corporation Competitive Strengths & Weaknesses
- 9.4 Proterial Ltd
 - 9.4.1 Proterial Ltd Details
 - 9.4.2 Proterial Ltd Major Business
 - 9.4.3 Proterial Ltd Oxide Dispersion Strengthened (ODS) Alloys Product and Services
 - 9.4.4 Proterial Ltd Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Proterial Ltd Recent Developments/Updates
 - 9.4.6 Proterial Ltd Competitive Strengths & Weaknesses
- 9.5 VDM Metals GmbH
 - 9.5.1 VDM Metals GmbH Details
 - 9.5.2 VDM Metals GmbH Major Business
 - 9.5.3 VDM Metals GmbH Oxide Dispersion Strengthened (ODS) Alloys Product and Services
 - 9.5.4 VDM Metals GmbH Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 VDM Metals GmbH Recent Developments/Updates

9.5.6 VDM Metals GmbH Competitive Strengths & Weaknesses

9.6 GE Aerospace

9.6.1 GE Aerospace Details

9.6.2 GE Aerospace Major Business

9.6.3 GE Aerospace Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.6.4 GE Aerospace Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 GE Aerospace Recent Developments/Updates

9.6.6 GE Aerospace Competitive Strengths & Weaknesses

9.7 MBN Nanomaterialia S.p.A.

9.7.1 MBN Nanomaterialia S.p.A. Details

9.7.2 MBN Nanomaterialia S.p.A. Major Business

9.7.3 MBN Nanomaterialia S.p.A. Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.7.4 MBN Nanomaterialia S.p.A. Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 MBN Nanomaterialia S.p.A. Recent Developments/Updates

9.7.6 MBN Nanomaterialia S.p.A. Competitive Strengths & Weaknesses

9.8 Precision Castparts Corp.

9.8.1 Precision Castparts Corp. Details

9.8.2 Precision Castparts Corp. Major Business

9.8.3 Precision Castparts Corp. Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.8.4 Precision Castparts Corp. Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Precision Castparts Corp. Recent Developments/Updates

9.8.6 Precision Castparts Corp. Competitive Strengths & Weaknesses

9.9 IMR

9.9.1 IMR Details

9.9.2 IMR Major Business

9.9.3 IMR Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.9.4 IMR Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 IMR Recent Developments/Updates

9.9.6 IMR Competitive Strengths & Weaknesses

9.10 Central Iron & Steel Research Institute

9.10.1 Central Iron & Steel Research Institute Details

9.10.2 Central Iron & Steel Research Institute Major Business

9.10.3 Central Iron & Steel Research Institute Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.10.4 Central Iron & Steel Research Institute Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Central Iron & Steel Research Institute Recent Developments/Updates

9.10.6 Central Iron & Steel Research Institute Competitive Strengths & Weaknesses

9.11 CIAE

9.11.1 CIAE Details

9.11.2 CIAE Major Business

9.11.3 CIAE Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.11.4 CIAE Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 CIAE Recent Developments/Updates

9.11.6 CIAE Competitive Strengths & Weaknesses

9.12 Baoshan Iron & Steel

9.12.1 Baoshan Iron & Steel Details

9.12.2 Baoshan Iron & Steel Major Business

9.12.3 Baoshan Iron & Steel Oxide Dispersion Strengthened (ODS) Alloys Product and Services

9.12.4 Baoshan Iron & Steel Oxide Dispersion Strengthened (ODS) Alloys Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Baoshan Iron & Steel Recent Developments/Updates

9.12.6 Baoshan Iron & Steel Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Oxide Dispersion Strengthened (ODS) Alloys Industry Chain

10.2 Oxide Dispersion Strengthened (ODS) Alloys Upstream Analysis

10.2.1 Oxide Dispersion Strengthened (ODS) Alloys Core Raw Materials

10.2.2 Main Manufacturers of Oxide Dispersion Strengthened (ODS) Alloys Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Oxide Dispersion Strengthened (ODS) Alloys Production Mode

10.6 Oxide Dispersion Strengthened (ODS) Alloys Procurement Model

10.7 Oxide Dispersion Strengthened (ODS) Alloys Industry Sales Model and Sales Channels

10.7.1 Oxide Dispersion Strengthened (ODS) Alloys Sales Model

10.7.2 Oxide Dispersion Strengthened (ODS) Alloys Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Region (2021-2026) & (USD Million)

Table 3. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Region (2027-2032) & (USD Million)

Table 4. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Region (2021-2026)

Table 5. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Region (2027-2032)

Table 6. World Oxide Dispersion Strengthened (ODS) Alloys Production by Region (2021-2026) & (Kilotons)

Table 7. World Oxide Dispersion Strengthened (ODS) Alloys Production by Region (2027-2032) & (Kilotons)

Table 8. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Region (2021-2026)

Table 9. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Region (2027-2032)

Table 10. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Region (2021-2026) & (US\$/kg)

Table 11. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Region (2027-2032) & (US\$/kg)

Table 12. Oxide Dispersion Strengthened (ODS) Alloys Major Market Trends

Table 13. World Oxide Dispersion Strengthened (ODS) Alloys Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Oxide Dispersion Strengthened (ODS) Alloys Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Oxide Dispersion Strengthened (ODS) Alloys Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Oxide Dispersion Strengthened (ODS) Alloys Producers in 2025

Table 18. World Oxide Dispersion Strengthened (ODS) Alloys Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Oxide Dispersion Strengthened (ODS) Alloys Producers in 2025

Table 20. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 21. Global Oxide Dispersion Strengthened (ODS) Alloys Company Evaluation Quadrant

Table 22. World Oxide Dispersion Strengthened (ODS) Alloys Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Oxide Dispersion Strengthened (ODS) Alloys Production Site of Key Manufacturer

Table 24. Oxide Dispersion Strengthened (ODS) Alloys Market: Company Product Type Footprint

Table 25. Oxide Dispersion Strengthened (ODS) Alloys Market: Company Product Application Footprint

Table 26. Oxide Dispersion Strengthened (ODS) Alloys Competitive Factors

Table 27. Oxide Dispersion Strengthened (ODS) Alloys New Entrant and Capacity Expansion Plans

Table 28. Oxide Dispersion Strengthened (ODS) Alloys Mergers & Acquisitions Activity

Table 29. United States VS China Oxide Dispersion Strengthened (ODS) Alloys Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Oxide Dispersion Strengthened (ODS) Alloys Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Oxide Dispersion Strengthened (ODS) Alloys Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Market Share (2021-2026)

Table 37. China Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Market Share (2021-2026)

Table 42. Rest of World Based Oxide Dispersion Strengthened (ODS) Alloys Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Market Share (2021-2026)

Table 47. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Oxide Dispersion Strengthened (ODS) Alloys Production by Type (2021-2026) & (Kilotons)

Table 49. World Oxide Dispersion Strengthened (ODS) Alloys Production by Type (2027-2032) & (Kilotons)

Table 50. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Type (2021-2026) & (USD Million)

Table 51. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Type (2027-2032) & (USD Million)

Table 52. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Type (2021-2026) & (US\$/kg)

Table 53. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Type (2027-2032) & (US\$/kg)

Table 54. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Processing Route, (USD Million), 2021 & 2025 & 2032

Table 55. World Oxide Dispersion Strengthened (ODS) Alloys Production by Processing Route (2021-2026) & (Kilotons)

Table 56. World Oxide Dispersion Strengthened (ODS) Alloys Production by Processing Route (2027-2032) & (Kilotons)

Table 57. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Processing Route (2021-2026) & (USD Million)

Table 58. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Processing Route (2027-2032) & (USD Million)

Table 59. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Processing Route (2021-2026) & (US\$/kg)

Table 60. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Processing Route (2027-2032) & (US\$/kg)

Table 61. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Performance Grade, (USD Million), 2021 & 2025 & 2032

Table 62. World Oxide Dispersion Strengthened (ODS) Alloys Production by Performance Grade (2021-2026) & (Kilotons)

Table 63. World Oxide Dispersion Strengthened (ODS) Alloys Production by Performance Grade (2027-2032) & (Kilotons)

Table 64. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Performance Grade (2021-2026) & (USD Million)

Table 65. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Performance Grade (2027-2032) & (USD Million)

Table 66. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Performance Grade (2021-2026) & (US\$/kg)

Table 67. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Performance Grade (2027-2032) & (US\$/kg)

Table 68. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Oxide Dispersion Strengthened (ODS) Alloys Production by Application (2021-2026) & (Kilotons)

Table 70. World Oxide Dispersion Strengthened (ODS) Alloys Production by Application (2027-2032) & (Kilotons)

Table 71. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Application (2021-2026) & (USD Million)

Table 72. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Application (2027-2032) & (USD Million)

Table 73. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Application (2021-2026) & (US\$/kg)

Table 74. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Application (2027-2032) & (US\$/kg)

Table 75. Sandvik AB Basic Information, Manufacturing Base and Competitors

Table 76. Sandvik AB Major Business

Table 77. Sandvik AB Oxide Dispersion Strengthened (ODS) Alloys Product and Services

Table 78. Sandvik AB Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Sandvik AB Recent Developments/Updates
Table 80. Sandvik AB Competitive Strengths & Weaknesses
Table 81. JFE Steel Corporation Basic Information, Manufacturing Base and Competitors
Table 82. JFE Steel Corporation Major Business
Table 83. JFE Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 84. JFE Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. JFE Steel Corporation Recent Developments/Updates
Table 86. JFE Steel Corporation Competitive Strengths & Weaknesses
Table 87. Nippon Steel Corporation Basic Information, Manufacturing Base and Competitors
Table 88. Nippon Steel Corporation Major Business
Table 89. Nippon Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 90. Nippon Steel Corporation Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. Nippon Steel Corporation Recent Developments/Updates
Table 92. Nippon Steel Corporation Competitive Strengths & Weaknesses
Table 93. Proterial Ltd Basic Information, Manufacturing Base and Competitors
Table 94. Proterial Ltd Major Business
Table 95. Proterial Ltd Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 96. Proterial Ltd Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Proterial Ltd Recent Developments/Updates
Table 98. Proterial Ltd Competitive Strengths & Weaknesses
Table 99. VDM Metals GmbH Basic Information, Manufacturing Base and Competitors
Table 100. VDM Metals GmbH Major Business
Table 101. VDM Metals GmbH Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 102. VDM Metals GmbH Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. VDM Metals GmbH Recent Developments/Updates

Table 104. VDM Metals GmbH Competitive Strengths & Weaknesses
Table 105. GE Aerospace Basic Information, Manufacturing Base and Competitors
Table 106. GE Aerospace Major Business
Table 107. GE Aerospace Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 108. GE Aerospace Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. GE Aerospace Recent Developments/Updates
Table 110. GE Aerospace Competitive Strengths & Weaknesses
Table 111. MBN Nanomaterialia S.p.A. Basic Information, Manufacturing Base and Competitors
Table 112. MBN Nanomaterialia S.p.A. Major Business
Table 113. MBN Nanomaterialia S.p.A. Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 114. MBN Nanomaterialia S.p.A. Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. MBN Nanomaterialia S.p.A. Recent Developments/Updates
Table 116. MBN Nanomaterialia S.p.A. Competitive Strengths & Weaknesses
Table 117. Precision Castparts Corp. Basic Information, Manufacturing Base and Competitors
Table 118. Precision Castparts Corp. Major Business
Table 119. Precision Castparts Corp. Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 120. Precision Castparts Corp. Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Precision Castparts Corp. Recent Developments/Updates
Table 122. Precision Castparts Corp. Competitive Strengths & Weaknesses
Table 123. IMR Basic Information, Manufacturing Base and Competitors
Table 124. IMR Major Business
Table 125. IMR Oxide Dispersion Strengthened (ODS) Alloys Product and Services
Table 126. IMR Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. IMR Recent Developments/Updates
Table 128. IMR Competitive Strengths & Weaknesses
Table 129. Central Iron & Steel Research Institute Basic Information, Manufacturing

Base and Competitors

Table 130. Central Iron & Steel Research Institute Major Business

Table 131. Central Iron & Steel Research Institute Oxide Dispersion Strengthened (ODS) Alloys Product and Services

Table 132. Central Iron & Steel Research Institute Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Central Iron & Steel Research Institute Recent Developments/Updates

Table 134. Central Iron & Steel Research Institute Competitive Strengths & Weaknesses

Table 135. CIAE Basic Information, Manufacturing Base and Competitors

Table 136. CIAE Major Business

Table 137. CIAE Oxide Dispersion Strengthened (ODS) Alloys Product and Services

Table 138. CIAE Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. CIAE Recent Developments/Updates

Table 140. CIAE Competitive Strengths & Weaknesses

Table 141. Baoshan Iron & Steel Basic Information, Manufacturing Base and Competitors

Table 142. Baoshan Iron & Steel Major Business

Table 143. Baoshan Iron & Steel Oxide Dispersion Strengthened (ODS) Alloys Product and Services

Table 144. Baoshan Iron & Steel Oxide Dispersion Strengthened (ODS) Alloys Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Baoshan Iron & Steel Recent Developments/Updates

Table 146. Baoshan Iron & Steel Competitive Strengths & Weaknesses

Table 147. Global Key Players of Oxide Dispersion Strengthened (ODS) Alloys Upstream (Raw Materials)

Table 148. Global Oxide Dispersion Strengthened (ODS) Alloys Typical Customers

Table 149. Oxide Dispersion Strengthened (ODS) Alloys Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Oxide Dispersion Strengthened (ODS) Alloys Picture

Figure 2. World Oxide Dispersion Strengthened (ODS) Alloys Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Oxide Dispersion Strengthened (ODS) Alloys Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032) & (Kilotons)

Figure 5. World Oxide Dispersion Strengthened (ODS) Alloys Average Price (2021-2032) & (US\$/kg)

Figure 6. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Region (2021-2032)

Figure 7. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Region (2021-2032)

Figure 8. North America Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032) & (Kilotons)

Figure 9. Europe Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032) & (Kilotons)

Figure 10. China Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032) & (Kilotons)

Figure 11. Japan Oxide Dispersion Strengthened (ODS) Alloys Production (2021-2032) & (Kilotons)

Figure 12. Oxide Dispersion Strengthened (ODS) Alloys Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 15. World Oxide Dispersion Strengthened (ODS) Alloys Consumption Market Share by Region (2021-2032)

Figure 16. United States Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 17. China Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 18. Europe Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 19. Japan Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 20. South Korea Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 21. ASEAN Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 22. India Oxide Dispersion Strengthened (ODS) Alloys Consumption (2021-2032) & (Kilotons)

Figure 23. Producer Shipments of Oxide Dispersion Strengthened (ODS) Alloys by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Oxide Dispersion Strengthened (ODS) Alloys Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Oxide Dispersion Strengthened (ODS) Alloys Markets in 2025

Figure 26. United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Oxide Dispersion Strengthened (ODS) Alloys Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Market Share 2025

Figure 30. China Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Oxide Dispersion Strengthened (ODS) Alloys Production Market Share 2025

Figure 32. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Type in 2025

Figure 34. Iron-based ODS

Figure 35. Nickel-based ODS

Figure 36. Chromium-based ODS

Figure 37. Aluminum-based ODS

Figure 38. Others

Figure 39. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Type (2021-2032)

Figure 40. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Type (2021-2032)

Figure 41. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Type (2021-2032) & (US\$/kg)

Figure 42. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Processing Route, (USD Million), 2021 & 2025 & 2032

Figure 43. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Processing Route in 2025

Figure 44. MA + HIP

Figure 45. Powder Metallurgy Extrusion

Figure 46. Additive Manufacturing

Figure 47. Mechanical Spraying/Composite Path

Figure 48. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Processing Route (2021-2032)

Figure 49. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Processing Route (2021-2032)

Figure 50. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Processing Route (2021-2032) & (US\$/kg)

Figure 51. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Performance Grade, (USD Million), 2021 & 2025 & 2032

Figure 52. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Performance Grade in 2025

Figure 53. Standard High Temperature ODS (800?1000?C)

Figure 54. Ultra-High Temperature ODS (>1000?C)

Figure 55. Irradiation Resistant ODS (Nuclear Grade)

Figure 56. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Performance Grade (2021-2032)

Figure 57. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Performance Grade (2021-2032)

Figure 58. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Performance Grade (2021-2032) & (US\$/kg)

Figure 59. World Oxide Dispersion Strengthened (ODS) Alloys Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market Share by Application in 2025

Figure 61. Aerospace

Figure 62. Marine

Figure 63. Chemical

Figure 64. Energy

Figure 65. Others

Figure 66. World Oxide Dispersion Strengthened (ODS) Alloys Production Market Share by Application (2021-2032)

Figure 67. World Oxide Dispersion Strengthened (ODS) Alloys Production Value Market

Share by Application (2021-2032)

Figure 68. World Oxide Dispersion Strengthened (ODS) Alloys Average Price by Application (2021-2032) & (US\$/kg)

Figure 69. Oxide Dispersion Strengthened (ODS) Alloys Industry Chain

Figure 70. Oxide Dispersion Strengthened (ODS) Alloys Procurement Model

Figure 71. Oxide Dispersion Strengthened (ODS) Alloys Sales Model

Figure 72. Oxide Dispersion Strengthened (ODS) Alloys Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

I would like to order

Product name: Global Oxide Dispersion Strengthened (ODS) Alloys Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GB08BB6DB0B9EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GB08BB6DB0B9EN.html>