

United States Titanium Nickel Target Market Report 2017

https://marketpublishers.com/r/U5E8273A895EN.html

Date: August 2017

Pages: 105

Price: US\$ 3,800.00 (Single User License)

ID: U5E8273A895EN

Abstracts

In this report, the United States Titanium Nickel Target market is valued at USD XX million in 2016 and is expected to reach USD XX million by the end of 2022, growing at a CAGR of XX% between 2016 and 2022.

Geographically, this report splits the United States market into seven regions:

The West

Southwest

The Middle Atlantic

New England

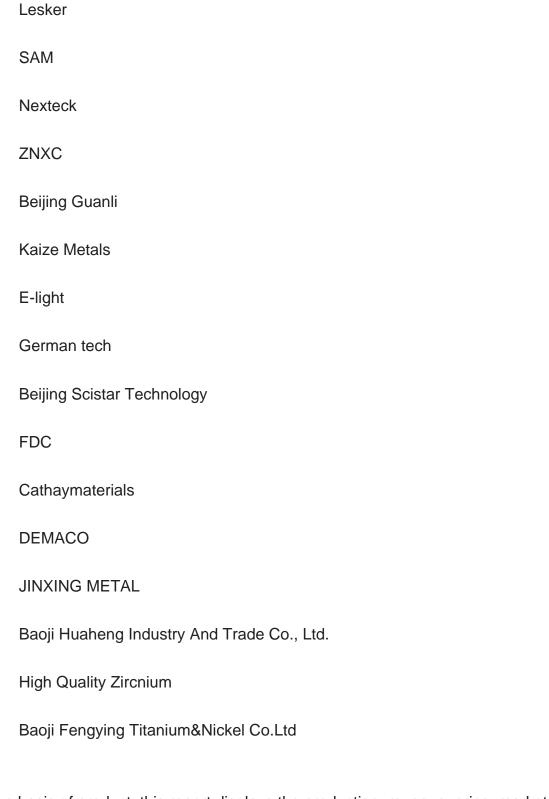
The South

The Midwest

with sales (volume), revenue (value), market share and growth rate of Titanium Nickel Target in these regions, from 2012 to 2022 (forecast).

United States Titanium Nickel Target market competition by top manufacturers/players, with Titanium Nickel Target sales volume, price, revenue (Million USD) and market share for each manufacturer/player; the top players including





On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

Plane Target

Rotating Target



On the basis on the end users/applications, this report focuses on the status and outlook for major applications/end users, sales volume, market share and growth rate of Titanium Nickel Target for each application, including

Display Industry

Solar Energy Industry

Automobile Industry

Other

If you have any special requirements, please let us know and we will offer you the report as you want.



Contents

United States Titanium Nickel Target Market Report 2017

1 TITANIUM NICKEL TARGET OVERVIEW

- 1.1 Product Overview and Scope of Titanium Nickel Target
- 1.2 Classification of Titanium Nickel Target by Product Category
- 1.2.1 United States Titanium Nickel Target Market Size (Sales Volume) Comparison by Type (2012-2022)
- 1.2.2 United States Titanium Nickel Target Market Size (Sales Volume) Market Share by Type (Product Category) in 2016
 - 1.2.3 Plane Target
 - 1.2.4 Rotating Target
- 1.3 United States Titanium Nickel Target Market by Application/End Users
- 1.3.1 United States Titanium Nickel Target Market Size (Consumption) and Market Share Comparison by Application (2012-2022)
 - 1.3.2 Display Industry
 - 1.3.3 Solar Energy Industry
 - 1.3.4 Automobile Industry
 - 1.3.5 Other
- 1.4 United States Titanium Nickel Target Market by Region
- 1.4.1 United States Titanium Nickel Target Market Size (Value) Comparison by Region (2012-2022)
 - 1.4.2 The West Titanium Nickel Target Status and Prospect (2012-2022)
 - 1.4.3 Southwest Titanium Nickel Target Status and Prospect (2012-2022)
 - 1.4.4 The Middle Atlantic Titanium Nickel Target Status and Prospect (2012-2022)
 - 1.4.5 New England Titanium Nickel Target Status and Prospect (2012-2022)
 - 1.4.6 The South Titanium Nickel Target Status and Prospect (2012-2022)
 - 1.4.7 The Midwest Titanium Nickel Target Status and Prospect (2012-2022)
- 1.5 United States Market Size (Value and Volume) of Titanium Nickel Target (2012-2022)
 - 1.5.1 United States Titanium Nickel Target Sales and Growth Rate (2012-2022)
 - 1.5.2 United States Titanium Nickel Target Revenue and Growth Rate (2012-2022)

2 UNITED STATES TITANIUM NICKEL TARGET MARKET COMPETITION BY PLAYERS/SUPPLIERS

2.1 United States Titanium Nickel Target Sales and Market Share of Key



Players/Suppliers (2012-2017)

- 2.2 United States Titanium Nickel Target Revenue and Share by Players/Suppliers (2012-2017)
- 2.3 United States Titanium Nickel Target Average Price by Players/Suppliers (2012-2017)
- 2.4 United States Titanium Nickel Target Market Competitive Situation and Trends
- 2.4.1 United States Titanium Nickel Target Market Concentration Rate
- 2.4.2 United States Titanium Nickel Target Market Share of Top 3 and Top 5 Players/Suppliers
- 2.4.3 Mergers & Acquisitions, Expansion in United States Market
- 2.5 United States Players/Suppliers Titanium Nickel Target Manufacturing Base Distribution, Sales Area, Product Type

3 UNITED STATES TITANIUM NICKEL TARGET SALES (VOLUME) AND REVENUE (VALUE) BY REGION (2012-2017)

- 3.1 United States Titanium Nickel Target Sales and Market Share by Region (2012-2017)
- 3.2 United States Titanium Nickel Target Revenue and Market Share by Region (2012-2017)
- 3.3 United States Titanium Nickel Target Price by Region (2012-2017)

4 UNITED STATES TITANIUM NICKEL TARGET SALES (VOLUME) AND REVENUE (VALUE) BY TYPE (PRODUCT CATEGORY) (2012-2017)

- 4.1 United States Titanium Nickel Target Sales and Market Share by Type (Product Category) (2012-2017)
- 4.2 United States Titanium Nickel Target Revenue and Market Share by Type (2012-2017)
- 4.3 United States Titanium Nickel Target Price by Type (2012-2017)
- 4.4 United States Titanium Nickel Target Sales Growth Rate by Type (2012-2017)

5 UNITED STATES TITANIUM NICKEL TARGET SALES (VOLUME) BY APPLICATION (2012-2017)

- 5.1 United States Titanium Nickel Target Sales and Market Share by Application (2012-2017)
- 5.2 United States Titanium Nickel Target Sales Growth Rate by Application (2012-2017)
- 5.3 Market Drivers and Opportunities



6 UNITED STATES TITANIUM NICKEL TARGET PLAYERS/SUPPLIERS PROFILES AND SALES DATA

- 6.1 Lesker
 - 6.1.1 Company Basic Information, Manufacturing Base and Competitors
 - 6.1.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.1.2.1 Product A
 - 6.1.2.2 Product B
- 6.1.3 Lesker Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
- 6.1.4 Main Business/Business Overview
- 6.2 SAM
 - 6.2.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.2.2.1 Product A
 - 6.2.2.2 Product B
- 6.2.3 SAM Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.2.4 Main Business/Business Overview
- 6.3 Nexteck
 - 6.3.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.3.2.1 Product A
 - 6.3.2.2 Product B
- 6.3.3 Nexteck Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.3.4 Main Business/Business Overview
- 6.4 ZNXC
 - 6.4.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.4.2.1 Product A
 - 6.4.2.2 Product B
- 6.4.3 ZNXC Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.4.4 Main Business/Business Overview
- 6.5 Beijing Guanli
 - 6.5.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.5.2.1 Product A
 - 6.5.2.2 Product B
- 6.5.3 Beijing Guanli Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)



- 6.5.4 Main Business/Business Overview
- 6.6 Kaize Metals
 - 6.6.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.6.2.1 Product A
 - 6.6.2.2 Product B
- 6.6.3 Kaize Metals Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.6.4 Main Business/Business Overview
- 6.7 E-light
 - 6.7.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.7.2.1 Product A
 - 6.7.2.2 Product B
- 6.7.3 E-light Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
- 6.7.4 Main Business/Business Overview
- 6.8 German tech
 - 6.8.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.8.2.1 Product A
 - 6.8.2.2 Product B
- 6.8.3 German tech Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.8.4 Main Business/Business Overview
- 6.9 Beijing Scistar Technology
 - 6.9.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.9.2.1 Product A
 - 6.9.2.2 Product B
- 6.9.3 Beijing Scistar Technology Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.9.4 Main Business/Business Overview
- 6.10 FDC
 - 6.10.2 Titanium Nickel Target Product Category, Application and Specification
 - 6.10.2.1 Product A
 - 6.10.2.2 Product B
- 6.10.3 FDC Titanium Nickel Target Sales, Revenue, Price and Gross Margin (2012-2017)
 - 6.10.4 Main Business/Business Overview
- 6.11 Cathaymaterials
- 6.12 DEMACO
- 6.13 JINXING METAL



- 6.14 Baoji Huaheng Industry And Trade Co., Ltd.
- 6.15 High Quality Zircnium
- 6.16 Baoji Fengying Titanium&Nickel Co.Ltd

7 TITANIUM NICKEL TARGET MANUFACTURING COST ANALYSIS

- 7.1 Titanium Nickel Target Key Raw Materials Analysis
 - 7.1.1 Key Raw Materials
 - 7.1.2 Price Trend of Key Raw Materials
 - 7.1.3 Key Suppliers of Raw Materials
 - 7.1.4 Market Concentration Rate of Raw Materials
- 7.2 Proportion of Manufacturing Cost Structure
 - 7.2.1 Raw Materials
 - 7.2.2 Labor Cost
 - 7.2.3 Manufacturing Expenses
- 7.3 Manufacturing Process Analysis of Titanium Nickel Target

8 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 8.1 Titanium Nickel Target Industrial Chain Analysis
- 8.2 Upstream Raw Materials Sourcing
- 8.3 Raw Materials Sources of Titanium Nickel Target Major Manufacturers in 2016
- 8.4 Downstream Buyers

9 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 9.1 Marketing Channel
 - 9.1.1 Direct Marketing
 - 9.1.2 Indirect Marketing
 - 9.1.3 Marketing Channel Development Trend
- 9.2 Market Positioning
 - 9.2.1 Pricing Strategy
 - 9.2.2 Brand Strategy
 - 9.2.3 Target Client
- 9.3 Distributors/Traders List

10 MARKET EFFECT FACTORS ANALYSIS

10.1 Technology Progress/Risk



- 10.1.1 Substitutes Threat
- 10.1.2 Technology Progress in Related Industry
- 10.2 Consumer Needs/Customer Preference Change
- 10.3 Economic/Political Environmental Change

11 UNITED STATES TITANIUM NICKEL TARGET MARKET SIZE (VALUE AND VOLUME) FORECAST (2017-2022)

- 11.1 United States Titanium Nickel Target Sales Volume, Revenue Forecast (2017-2022)
- 11.2 United States Titanium Nickel Target Sales Volume Forecast by Type (2017-2022)
- 11.3 United States Titanium Nickel Target Sales Volume Forecast by Application (2017-2022)
- 11.4 United States Titanium Nickel Target Sales Volume Forecast by Region (2017-2022)

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX

- 13.1 Methodology/Research Approach
 - 13.1.1 Research Programs/Design
 - 13.1.2 Market Size Estimation
 - 13.1.3 Market Breakdown and Data Triangulation
- 13.2 Data Source
 - 13.2.1 Secondary Sources
 - 13.2.2 Primary Sources
- 13.3 Disclaimer

The report requires updating with new data and is sent in 2-3 business days after order is placed.



List Of Tables

LIST OF TABLES AND FIGURES

Figure Product Picture of Titanium Nickel Target

Figure United States Titanium Nickel Target Market Size (K Units) by Type (2012-2022)

Figure United States Titanium Nickel Target Sales Volume Market Share by Type (Product Category) in 2016

Figure Plane Target Product Picture

Figure Rotating Target Product Picture

Figure United States Titanium Nickel Target Market Size (K Units) by Application (2012-2022)

Figure United States Sales Market Share of Titanium Nickel Target by Application in 2016

Figure Display Industry Examples

Table Key Downstream Customer in Display Industry

Figure Solar Energy Industry Examples

Table Key Downstream Customer in Solar Energy Industry

Figure Automobile Industry Examples

Table Key Downstream Customer in Automobile Industry

Figure Other Examples

Table Key Downstream Customer in Other

Figure United States Titanium Nickel Target Market Size (Million USD) by Region (2012-2022)

Figure The West Titanium Nickel Target Revenue (Million USD) and Growth Rate (2012-2022)

Figure Southwest Titanium Nickel Target Revenue (Million USD) and Growth Rate (2012-2022)

Figure The Middle Atlantic Titanium Nickel Target Revenue (Million USD) and Growth Rate (2012-2022)

Figure New England Titanium Nickel Target Revenue (Million USD) and Growth Rate (2012-2022)

Figure The South of US Titanium Nickel Target Revenue (Million USD) and Growth Rate (2012-2022)

Figure The Midwest Titanium Nickel Target Revenue (Million USD) and Growth Rate (2012-2022)

Figure United States Titanium Nickel Target Sales (K Units) and Growth Rate (2012-2022)

Figure United States Titanium Nickel Target Revenue (Million USD) and Growth Rate



(2012-2022)

Figure United States Titanium Nickel Target Market Major Players Product Sales Volume (K Units) (2012-2017)

Table United States Titanium Nickel Target Sales (K Units) of Key Players/Suppliers (2012-2017)

Table United States Titanium Nickel Target Sales Share by Players/Suppliers (2012-2017)

Figure 2016 United States Titanium Nickel Target Sales Share by Players/Suppliers Figure 2017 United States Titanium Nickel Target Sales Share by Players/Suppliers Figure United States Titanium Nickel Target Market Major Players Product Revenue (Million USD) (2012-2017)

Table United States Titanium Nickel Target Revenue (Million USD) by Players/Suppliers (2012-2017)

Table United States Titanium Nickel Target Revenue Share by Players/Suppliers (2012-2017)

Figure 2016 United States Titanium Nickel Target Revenue Share by Players/Suppliers Figure 2017 United States Titanium Nickel Target Revenue Share by Players/Suppliers Table United States Market Titanium Nickel Target Average Price (USD/Unit) of Key Players/Suppliers (2012-2017)

Figure United States Market Titanium Nickel Target Average Price (USD/Unit) of Key Players/Suppliers in 2016

Figure United States Titanium Nickel Target Market Share of Top 3 Players/Suppliers Figure United States Titanium Nickel Target Market Share of Top 5 Players/Suppliers Table United States Players/Suppliers Titanium Nickel Target Manufacturing Base Distribution and Sales Area

Table United States Players/Suppliers Titanium Nickel Target Product Category
Table United States Titanium Nickel Target Sales (K Units) by Region (2012-2017)
Table United States Titanium Nickel Target Sales Share by Region (2012-2017)
Figure United States Titanium Nickel Target Sales Share by Region (2012-2017)
Figure United States Titanium Nickel Target Sales Market Share by Region in 2016
Table United States Titanium Nickel Target Revenue (Million USD) and Market Share by Region (2012-2017)

Table United States Titanium Nickel Target Revenue Share by Region (2012-2017) Figure United States Titanium Nickel Target Revenue Market Share by Region (2012-2017)

Figure United States Titanium Nickel Target Revenue Market Share by Region in 2016 Table United States Titanium Nickel Target Price (USD/Unit) by Region (2012-2017) Table United States Titanium Nickel Target Sales (K Units) by Type (2012-2017) Table United States Titanium Nickel Target Sales Share by Type (2012-2017)



Figure United States Titanium Nickel Target Sales Share by Type (2012-2017)
Figure United States Titanium Nickel Target Sales Market Share by Type in 2016
Table United States Titanium Nickel Target Revenue (Million USD) and Market Share by Type (2012-2017)

Table United States Titanium Nickel Target Revenue Share by Type (2012-2017)
Figure Revenue Market Share of Titanium Nickel Target by Type (2012-2017)
Figure Revenue Market Share of Titanium Nickel Target by Type in 2016
Table United States Titanium Nickel Target Price (USD/Unit) by Types (2012-2017)
Figure United States Titanium Nickel Target Sales Growth Rate by Type (2012-2017)
Table United States Titanium Nickel Target Sales (K Units) by Application (2012-2017)
Table United States Titanium Nickel Target Sales Market Share by Application

Figure United States Titanium Nickel Target Sales Market Share by Application (2012-2017)

Figure United States Titanium Nickel Target Sales Market Share by Application in 2016 Table United States Titanium Nickel Target Sales Growth Rate by Application (2012-2017)

Figure United States Titanium Nickel Target Sales Growth Rate by Application (2012-2017)

Table Lesker Basic Information List

(2012-2017)

Table Lesker Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure Lesker Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure Lesker Titanium Nickel Target Sales Market Share in United States (2012-2017) Figure Lesker Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table SAM Basic Information List

Table SAM Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure SAM Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure SAM Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure SAM Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table Nexteck Basic Information List

Table Nexteck Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure Nexteck Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure Nexteck Titanium Nickel Target Sales Market Share in United States (2012-2017)



Figure Nexteck Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table ZNXC Basic Information List

Table ZNXC Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure ZNXC Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure ZNXC Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure ZNXC Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table Beijing Guanli Basic Information List

Table Beijing Guanli Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure Beijing Guanli Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure Beijing Guanli Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure Beijing Guanli Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table Kaize Metals Basic Information List

Table Kaize Metals Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure Kaize Metals Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure Kaize Metals Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure Kaize Metals Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table E-light Basic Information List

Table E-light Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure E-light Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure E-light Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure E-light Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table German tech Basic Information List

Table German tech Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure German tech Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure German tech Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure German tech Titanium Nickel Target Revenue Market Share in United States



(2012-2017)

Table Beijing Scistar Technology Basic Information List

Table Beijing Scistar Technology Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure Beijing Scistar Technology Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure Beijing Scistar Technology Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure Beijing Scistar Technology Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table FDC Basic Information List

Table FDC Titanium Nickel Target Sales (K Units), Revenue (Million USD), Price (USD/Unit) and Gross Margin (2012-2017)

Figure FDC Titanium Nickel Target Sales Growth Rate (2012-2017)

Figure FDC Titanium Nickel Target Sales Market Share in United States (2012-2017)

Figure FDC Titanium Nickel Target Revenue Market Share in United States (2012-2017)

Table Cathaymaterials Basic Information List

Table DEMACO Basic Information List

Table JINXING METAL Basic Information List

Table Baoji Huaheng Industry And Trade Co., Ltd. Basic Information List

Table High Quality Zircnium Basic Information List

Table Baoji Fengying Titanium&Nickel Co.Ltd Basic Information List

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Titanium Nickel Target

Figure Manufacturing Process Analysis of Titanium Nickel Target

Figure Titanium Nickel Target Industrial Chain Analysis

Table Raw Materials Sources of Titanium Nickel Target Major Players/Suppliers in 2016

Table Major Buyers of Titanium Nickel Target

Table Distributors/Traders List

Figure United States Titanium Nickel Target Sales Volume (K Units) and Growth Rate Forecast (2017-2022)

Figure United States Titanium Nickel Target Revenue (Million USD) and Growth Rate Forecast (2017-2022)

Figure United States Titanium Nickel Target Price (USD/Unit) Trend Forecast (2017-2022)

Table United States Titanium Nickel Target Sales Volume (K Units) Forecast by Type



(2017-2022)

Figure United States Titanium Nickel Target Sales Volume (K Units) Forecast by Type (2017-2022)

Figure United States Titanium Nickel Target Sales Volume (K Units) Forecast by Type in 2022

Table United States Titanium Nickel Target Sales Volume (K Units) Forecast by Application (2017-2022)

Figure United States Titanium Nickel Target Sales Volume (K Units) Forecast by Application (2017-2022)

Figure United States Titanium Nickel Target Sales Volume (K Units) Forecast by Application in 2022

Table United States Titanium Nickel Target Sales Volume (K Units) Forecast by Region (2017-2022)

Table United States Titanium Nickel Target Sales Volume Share Forecast by Region (2017-2022)

Figure United States Titanium Nickel Target Sales Volume Share Forecast by Region (2017-2022)

Figure United States Titanium Nickel Target Sales Volume Share Forecast by Region in 2022

Table Research Programs/Design for This Report

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

Figure Data Triangulation

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources



I would like to order

Product name: United States Titanium Nickel Target Market Report 2017
Product link: https://marketpublishers.com/r/U5E8273A895EN.html

Price: US\$ 3,800.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/U5E8273A895EN.html

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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