

# 2018-2023 Global Silicon Nitride Ceramics Consumption Market Report

<https://marketpublishers.com/r/2E1C9E638FEEN.html>

Date: July 2018

Pages: 184

Price: US\$ 4,660.00 (Single User License)

ID: 2E1C9E638FEEN

## Abstracts

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

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Silicon Nitride Ceramics market for 2018-2023.

Silicon nitride ceramics offer high thermal, shock, and impact resistance. Silicon nitride ceramics is superior to other materials due to its thermal shock resistance. It does not deteriorate at high temperatures, so it's used for automotive engines and parts for gas turbines, including the turbocharger rotor. It is widely used in Cutting Tools, Bearing Rolling Elements, Automotive Components (rollers/pads), Oil&Gas Components industry.

Silicon nitride exceeds other ceramics in thermal shock resistance, and it is superior to other materials due to its thermal shock resistance. It does not deteriorate at high temperatures. Hence it is most appropriate for engine and gas turbine parts, including turbo charger rotors, diesel engine glow plugs and hot plugs. As to the silicon nitride ceramics downstream application, Cutting Tools is its largest downstream market, which shares 28.75% of the consumption in 2016.

The sales of silicon nitride ceramics is through reaction sintering method (RS), Constant-pressure sintering method (CPS), gas-pressure sintering method (GPS), etc. RS is the most popular method for producing silicon nitride ceramics, which takes up 51.14% global consumption in 2016.

At present, the sales of silicon nitride ceramics distributed evenly in North America, Europe and Asia-Pacific. Europe is the largest consumption region of silicon nitride ceramics in the world in the past few years and it will keep the same position in the next few years. The Europe market took up about 38.41% the global sales in 2016,

followed by North America (32.25%).

Over the next five years, LPI(LP Information) projects that Silicon Nitride Ceramics will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon Nitride Ceramics market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

CPS

RS

GPS

Other

Segmentation by application:

Aerospace Components

Cutting Tools

Bearing Rolling Elements

Automotive Components (rollers/pads)

Oil&Gas Components Industry

Mining Components

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Kyoceras

CeramTec

3M

Ortech

Toshiba

Coorstek

Morgan Advanced Materials

Ferrotec

Syalons

Rogers

Amedica

Honsin Ceramics

Fraunhofer IKTS

Winsted Precision Ball

Hoover Precision Products

Industrial Tectonics Inc

Precision Ceramics

Sinoma

Unipretec

Jinsheng

FCRI

Zibo Silicon Nitride Products

Shichao

HSCCER

Kaifa

Mokai

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Silicon Nitride Ceramics consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Silicon Nitride Ceramics market by identifying its various subsegments.

Focuses on the key global Silicon Nitride Ceramics manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Silicon Nitride Ceramics with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Silicon Nitride Ceramics submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Research Objectives
- 1.3 Years Considered
- 1.4 Market Research Methodology
- 1.5 Economic Indicators
- 1.6 Currency Considered

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Silicon Nitride Ceramics Consumption 2013-2023
  - 2.1.2 Silicon Nitride Ceramics Consumption CAGR by Region
- 2.2 Silicon Nitride Ceramics Segment by Type
  - 2.2.1 CPS
  - 2.2.2 RS
  - 2.2.3 GPS
  - 2.2.4 Other
- 2.3 Silicon Nitride Ceramics Consumption by Type
  - 2.3.1 Global Silicon Nitride Ceramics Consumption Market Share by Type (2013-2018)
  - 2.3.2 Global Silicon Nitride Ceramics Revenue and Market Share by Type (2013-2018)
  - 2.3.3 Global Silicon Nitride Ceramics Sale Price by Type (2013-2018)
- 2.4 Silicon Nitride Ceramics Segment by Application
  - 2.4.1 Aerospace Components
  - 2.4.2 Cutting Tools
  - 2.4.3 Bearing Rolling Elements
  - 2.4.4 Automotive Components (rollers/pads)
  - 2.4.5 Oil&Gas Components Industry
  - 2.4.6 Mining Components
  - 2.4.7 Other
- 2.5 Silicon Nitride Ceramics Consumption by Application
  - 2.5.1 Global Silicon Nitride Ceramics Consumption Market Share by Application (2013-2018)
  - 2.5.2 Global Silicon Nitride Ceramics Value and Market Share by Application (2013-2018)
  - 2.5.3 Global Silicon Nitride Ceramics Sale Price by Application (2013-2018)

### **3 GLOBAL SILICON NITRIDE CERAMICS BY PLAYERS**

#### **3.1 Global Silicon Nitride Ceramics Sales Market Share by Players**

##### **3.1.1 Global Silicon Nitride Ceramics Sales by Players (2016-2018)**

##### **3.1.2 Global Silicon Nitride Ceramics Sales Market Share by Players (2016-2018)**

#### **3.2 Global Silicon Nitride Ceramics Revenue Market Share by Players**

##### **3.2.1 Global Silicon Nitride Ceramics Revenue by Players (2016-2018)**

##### **3.2.2 Global Silicon Nitride Ceramics Revenue Market Share by Players (2016-2018)**

#### **3.3 Global Silicon Nitride Ceramics Sale Price by Players**

#### **3.4 Global Silicon Nitride Ceramics Manufacturing Base Distribution, Sales Area, Product Types by Players**

##### **3.4.1 Global Silicon Nitride Ceramics Manufacturing Base Distribution and Sales Area by Players**

##### **3.4.2 Players Silicon Nitride Ceramics Products Offered**

#### **3.5 Market Concentration Rate Analysis**

##### **3.5.1 Competition Landscape Analysis**

##### **3.5.2 Concentration Ratio (CR3, CR5 and CR10) (2016-2018)**

#### **3.6 New Products and Potential Entrants**

#### **3.7 Mergers & Acquisitions, Expansion**

### **4 SILICON NITRIDE CERAMICS BY REGIONS**

#### **4.1 Silicon Nitride Ceramics by Regions**

##### **4.1.1 Global Silicon Nitride Ceramics Consumption by Regions**

##### **4.1.2 Global Silicon Nitride Ceramics Value by Regions**

#### **4.2 Americas Silicon Nitride Ceramics Consumption Growth**

#### **4.3 APAC Silicon Nitride Ceramics Consumption Growth**

#### **4.4 Europe Silicon Nitride Ceramics Consumption Growth**

#### **4.5 Middle East & Africa Silicon Nitride Ceramics Consumption Growth**

### **5 AMERICAS**

#### **5.1 Americas Silicon Nitride Ceramics Consumption by Countries**

##### **5.1.1 Americas Silicon Nitride Ceramics Consumption by Countries (2013-2018)**

##### **5.1.2 Americas Silicon Nitride Ceramics Value by Countries (2013-2018)**

#### **5.2 Americas Silicon Nitride Ceramics Consumption by Type**

#### **5.3 Americas Silicon Nitride Ceramics Consumption by Application**

#### **5.4 United States**



5.5 Canada

5.6 Mexico

5.7 Key Economic Indicators of Few Americas Countries

## **6 APAC**

6.1 APAC Silicon Nitride Ceramics Consumption by Countries

6.1.1 APAC Silicon Nitride Ceramics Consumption by Countries (2013-2018)

6.1.2 APAC Silicon Nitride Ceramics Value by Countries (2013-2018)

6.2 APAC Silicon Nitride Ceramics Consumption by Type

6.3 APAC Silicon Nitride Ceramics Consumption by Application

6.4 China

6.5 Japan

6.6 Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 Key Economic Indicators of Few APAC Countries

## **7 EUROPE**

7.1 Europe Silicon Nitride Ceramics by Countries

7.1.1 Europe Silicon Nitride Ceramics Consumption by Countries (2013-2018)

7.1.2 Europe Silicon Nitride Ceramics Value by Countries (2013-2018)

7.2 Europe Silicon Nitride Ceramics Consumption by Type

7.3 Europe Silicon Nitride Ceramics Consumption by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

7.9 Spain

7.10 Key Economic Indicators of Few Europe Countries

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Silicon Nitride Ceramics by Countries

8.1.1 Middle East & Africa Silicon Nitride Ceramics Consumption by Countries (2013-2018)

- 8.1.2 Middle East & Africa Silicon Nitride Ceramics Value by Countries (2013-2018)
- 8.2 Middle East & Africa Silicon Nitride Ceramics Consumption by Type
- 8.3 Middle East & Africa Silicon Nitride Ceramics Consumption by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

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

- 9.1 Market Drivers and Impact
  - 9.1.1 Growing Demand from Key Regions
  - 9.1.2 Growing Demand from Key Applications and Potential Industries
- 9.2 Market Challenges and Impact
- 9.3 Market Trends

## **10 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 10.1 Sales Channel
  - 10.1.1 Direct Marketing
  - 10.1.2 Indirect Marketing
- 10.2 Silicon Nitride Ceramics Distributors
- 10.3 Silicon Nitride Ceramics Customer

## **11 GLOBAL SILICON NITRIDE CERAMICS MARKET FORECAST**

- 11.1 Global Silicon Nitride Ceramics Consumption Forecast (2018-2023)
- 11.2 Global Silicon Nitride Ceramics Forecast by Regions
  - 11.2.1 Global Silicon Nitride Ceramics Forecast by Regions (2018-2023)
  - 11.2.2 Global Silicon Nitride Ceramics Value Forecast by Regions (2018-2023)
  - 11.2.3 Americas Consumption Forecast
  - 11.2.4 APAC Consumption Forecast
  - 11.2.5 Europe Consumption Forecast
  - 11.2.6 Middle East & Africa Consumption Forecast
- 11.3 Americas Forecast by Countries
  - 11.3.1 United States Market Forecast
  - 11.3.2 Canada Market Forecast
  - 11.3.3 Mexico Market Forecast

- 11.3.4 Brazil Market Forecast
- 11.4 APAC Forecast by Countries
  - 11.4.1 China Market Forecast
  - 11.4.2 Japan Market Forecast
  - 11.4.3 Korea Market Forecast
  - 11.4.4 Southeast Asia Market Forecast
  - 11.4.5 India Market Forecast
  - 11.4.6 Australia Market Forecast
- 11.5 Europe Forecast by Countries
  - 11.5.1 Germany Market Forecast
  - 11.5.2 France Market Forecast
  - 11.5.3 UK Market Forecast
  - 11.5.4 Italy Market Forecast
  - 11.5.5 Russia Market Forecast
  - 11.5.6 Spain Market Forecast
- 11.6 Middle East & Africa Forecast by Countries
  - 11.6.1 Egypt Market Forecast
  - 11.6.2 South Africa Market Forecast
  - 11.6.3 Israel Market Forecast
  - 11.6.4 Turkey Market Forecast
  - 11.6.5 GCC Countries Market Forecast
- 11.7 Global Silicon Nitride Ceramics Forecast by Type
- 11.8 Global Silicon Nitride Ceramics Forecast by Application

## **12 KEY PLAYERS ANALYSIS**

- 12.1 Kyoceras
  - 12.1.1 Company Details
  - 12.1.2 Silicon Nitride Ceramics Product Offered
  - 12.1.3 Kyoceras Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.1.4 Main Business Overview
  - 12.1.5 Kyoceras News
- 12.2 CeramTec
  - 12.2.1 Company Details
  - 12.2.2 Silicon Nitride Ceramics Product Offered
  - 12.2.3 CeramTec Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.2.4 Main Business Overview

#### 12.2.5 CeramTec News

### 12.3 3M

#### 12.3.1 Company Details

#### 12.3.2 Silicon Nitride Ceramics Product Offered

#### 12.3.3 3M Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin

(2016-2018)

#### 12.3.4 Main Business Overview

#### 12.3.5 3M News

### 12.4 Ortech

#### 12.4.1 Company Details

#### 12.4.2 Silicon Nitride Ceramics Product Offered

#### 12.4.3 Ortech Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin

(2016-2018)

#### 12.4.4 Main Business Overview

#### 12.4.5 Ortech News

### 12.5 Toshiba

#### 12.5.1 Company Details

#### 12.5.2 Silicon Nitride Ceramics Product Offered

#### 12.5.3 Toshiba Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin

(2016-2018)

#### 12.5.4 Main Business Overview

#### 12.5.5 Toshiba News

### 12.6 Coorstek

#### 12.6.1 Company Details

#### 12.6.2 Silicon Nitride Ceramics Product Offered

#### 12.6.3 Coorstek Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin

(2016-2018)

#### 12.6.4 Main Business Overview

#### 12.6.5 Coorstek News

### 12.7 Morgan Advanced Materials

#### 12.7.1 Company Details

#### 12.7.2 Silicon Nitride Ceramics Product Offered

#### 12.7.3 Morgan Advanced Materials Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

#### 12.7.4 Main Business Overview

#### 12.7.5 Morgan Advanced Materials News

### 12.8 Ferrotec

#### 12.8.1 Company Details

#### 12.8.2 Silicon Nitride Ceramics Product Offered

12.8.3 Ferrotec Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin  
(2016-2018)

12.8.4 Main Business Overview

12.8.5 Ferrotec News

12.9 Syalons

12.9.1 Company Details

12.9.2 Silicon Nitride Ceramics Product Offered

12.9.3 Syalons Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin  
(2016-2018)

12.9.4 Main Business Overview

12.9.5 Syalons News

12.10 Rogers

12.10.1 Company Details

12.10.2 Silicon Nitride Ceramics Product Offered

12.10.3 Rogers Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin  
(2016-2018)

12.10.4 Main Business Overview

12.10.5 Rogers News

12.11 Amedica

12.12 Honsin Ceramics

12.13 Fraunhofer IKTS

12.14 Winsted Precision Ball

12.15 Hoover Precision Products

12.16 Industrial Tectonics Inc

12.17 Precision Ceramics

12.18 Sinoma

12.19 Unipretec

12.20 Jinsheng

12.21 FCRI

12.22 Zibo Silicon Nitride Products

12.23 Shichao

12.24 HSCCER

12.25 Kaifa

12.26 Mokai

## **13 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Silicon Nitride Ceramics  
Table Product Specifications of Silicon Nitride Ceramics  
Figure Silicon Nitride Ceramics Report Years Considered  
Figure Market Research Methodology  
Figure Global Silicon Nitride Ceramics Consumption Growth Rate 2013-2023 (K MT)  
Figure Global Silicon Nitride Ceramics Value Growth Rate 2013-2023 (\$ Millions)  
Table Silicon Nitride Ceramics Consumption CAGR by Region 2013-2023 (\$ Millions)  
Figure Product Picture of CPS  
Table Major Players of CPS  
Figure Product Picture of RS  
Table Major Players of RS  
Figure Product Picture of GPS  
Table Major Players of GPS  
Figure Product Picture of Other  
Table Major Players of Other  
Table Global Consumption Sales by Type (2013-2018)  
Table Global Silicon Nitride Ceramics Consumption Market Share by Type (2013-2018)  
Figure Global Silicon Nitride Ceramics Consumption Market Share by Type (2013-2018)  
Table Global Silicon Nitride Ceramics Revenue by Type (2013-2018) (\$ million)  
Table Global Silicon Nitride Ceramics Value Market Share by Type (2013-2018) (\$ Millions)  
Figure Global Silicon Nitride Ceramics Value Market Share by Type (2013-2018)  
Table Global Silicon Nitride Ceramics Sale Price by Type (2013-2018)  
Figure Silicon Nitride Ceramics Consumed in Aerospace Components  
Figure Global Silicon Nitride Ceramics Market: Aerospace Components (2013-2018) (K MT)  
Figure Global Silicon Nitride Ceramics Market: Aerospace Components (2013-2018) (\$ Millions)  
Figure Global Aerospace Components YoY Growth (\$ Millions)  
Figure Silicon Nitride Ceramics Consumed in Cutting Tools  
Figure Global Silicon Nitride Ceramics Market: Cutting Tools (2013-2018) (K MT)  
Figure Global Silicon Nitride Ceramics Market: Cutting Tools (2013-2018) (\$ Millions)  
Figure Global Cutting Tools YoY Growth (\$ Millions)  
Figure Silicon Nitride Ceramics Consumed in Bearing Rolling Elements

Figure Global Silicon Nitride Ceramics Market: Bearing Rolling Elements (2013-2018)  
(K MT)

Figure Global Silicon Nitride Ceramics Market: Bearing Rolling Elements (2013-2018) (\$  
Millions)

Figure Global Bearing Rolling Elements YoY Growth (\$ Millions)

Figure Silicon Nitride Ceramics Consumed in Automotive Components (rollers/pads)

Figure Global Silicon Nitride Ceramics Market: Automotive Components (rollers/pads)  
(2013-2018) (K MT)

Figure Global Silicon Nitride Ceramics Market: Automotive Components (rollers/pads)  
(2013-2018) (\$ Millions)

Figure Global Automotive Components (rollers/pads) YoY Growth (\$ Millions)

Figure Silicon Nitride Ceramics Consumed in Oil&Gas Components Industry

Figure Global Silicon Nitride Ceramics Market: Oil&Gas Components Industry  
(2013-2018) (K MT)

Figure Global Silicon Nitride Ceramics Market: Oil&Gas Components Industry  
(2013-2018) (\$ Millions)

Figure Global Oil&Gas Components Industry YoY Growth (\$ Millions)

Figure Silicon Nitride Ceramics Consumed in Mining Components

Figure Silicon Nitride Ceramics Consumed in Other

Table Global Consumption Sales by Application (2013-2018)

Table Global Silicon Nitride Ceramics Consumption Market Share by Application  
(2013-2018)

Figure Global Silicon Nitride Ceramics Consumption Market Share by Application  
(2013-2018)

Table Global Silicon Nitride Ceramics Value by Application (2013-2018)

Table Global Silicon Nitride Ceramics Value Market Share by Application (2013-2018)

Figure Global Silicon Nitride Ceramics Value Market Share by Application (2013-2018)

Table Global Silicon Nitride Ceramics Sale Price by Application (2013-2018)

Table Global Silicon Nitride Ceramics Sales by Players (2016-2018) (K MT)

Table Global Silicon Nitride Ceramics Sales Market Share by Players (2016-2018)

Figure Global Silicon Nitride Ceramics Sales Market Share by Players in 2016

Figure Global Silicon Nitride Ceramics Sales Market Share by Players in 2017

Table Global Silicon Nitride Ceramics Revenue by Players (2016-2018) (\$ Millions)

Table Global Silicon Nitride Ceramics Revenue Market Share by Players (2016-2018)

Figure Global Silicon Nitride Ceramics Revenue Market Share by Players in 2016

Figure Global Silicon Nitride Ceramics Revenue Market Share by Players in 2017

Table Global Silicon Nitride Ceramics Sale Price by Players (2016-2018)

Figure Global Silicon Nitride Ceramics Sale Price by Players in 2017

Table Global Silicon Nitride Ceramics Manufacturing Base Distribution and Sales Area



by Players

Table Players Silicon Nitride Ceramics Products Offered

Table Silicon Nitride Ceramics Concentration Ratio (CR3, CR5 and CR10) (2016-2018)

Table Global Silicon Nitride Ceramics Consumption by Regions 2013-2018 (K MT)

Table Global Silicon Nitride Ceramics Consumption Market Share by Regions  
2013-2018

Figure Global Silicon Nitride Ceramics Consumption Market Share by Regions  
2013-2018

Table Global Silicon Nitride Ceramics Value by Regions 2013-2018 (\$ Millions)

Table Global Silicon Nitride Ceramics Value Market Share by Regions 2013-2018

Figure Global Silicon Nitride Ceramics Value Market Share by Regions 2013-2018

Figure Americas Silicon Nitride Ceramics Consumption 2013-2018 (K MT)

Figure Americas Silicon Nitride Ceramics Value 2013-2018 (\$ Millions)

Figure APAC Silicon Nitride Ceramics Consumption 2013-2018 (K MT)

Figure APAC Silicon Nitride Ceramics Value 2013-2018 (\$ Millions)

Figure Europe Silicon Nitride Ceramics Consumption 2013-2018 (K MT)

Figure Europe Silicon Nitride Ceramics Value 2013-2018 (\$ Millions)

Figure Middle East & Africa Silicon Nitride Ceramics Consumption 2013-2018 (K MT)

Figure Middle East & Africa Silicon Nitride Ceramics Value 2013-2018 (\$ Millions)

Table Americas Silicon Nitride Ceramics Consumption by Countries (2013-2018) (K MT)

Table Americas Silicon Nitride Ceramics Consumption Market Share by Countries  
(2013-2018)

Figure Americas Silicon Nitride Ceramics Consumption Market Share by Countries in  
2017

Table Americas Silicon Nitride Ceramics Value by Countries (2013-2018) (\$ Millions)

Table Americas Silicon Nitride Ceramics Value Market Share by Countries (2013-2018)

Figure Americas Silicon Nitride Ceramics Value Market Share by Countries in 2017

Table Americas Silicon Nitride Ceramics Consumption by Type (2013-2018) (K MT)

Table Americas Silicon Nitride Ceramics Consumption Market Share by Type  
(2013-2018)

Figure Americas Silicon Nitride Ceramics Consumption Market Share by Type in 2017

Table Americas Silicon Nitride Ceramics Consumption by Application (2013-2018) (K  
MT)

Table Americas Silicon Nitride Ceramics Consumption Market Share by Application  
(2013-2018)

Figure Americas Silicon Nitride Ceramics Consumption Market Share by Application in  
2017

Figure United States Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure United States Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)



Figure Canada Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Canada Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Mexico Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Mexico Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Table APAC Silicon Nitride Ceramics Consumption by Countries (2013-2018) (K MT)

Table APAC Silicon Nitride Ceramics Consumption Market Share by Countries (2013-2018)

Figure APAC Silicon Nitride Ceramics Consumption Market Share by Countries in 2017

Table APAC Silicon Nitride Ceramics Value by Countries (2013-2018) (\$ Millions)

Table APAC Silicon Nitride Ceramics Value Market Share by Countries (2013-2018)

Figure APAC Silicon Nitride Ceramics Value Market Share by Countries in 2017

Table APAC Silicon Nitride Ceramics Consumption by Type (2013-2018) (K MT)

Table APAC Silicon Nitride Ceramics Consumption Market Share by Type (2013-2018)

Figure APAC Silicon Nitride Ceramics Consumption Market Share by Type in 2017

Table APAC Silicon Nitride Ceramics Consumption by Application (2013-2018) (K MT)

Table APAC Silicon Nitride Ceramics Consumption Market Share by Application (2013-2018)

Figure APAC Silicon Nitride Ceramics Consumption Market Share by Application in 2017

Figure China Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure China Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Japan Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Japan Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Korea Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Korea Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Southeast Asia Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Southeast Asia Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure India Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure India Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Australia Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Australia Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Table Europe Silicon Nitride Ceramics Consumption by Countries (2013-2018) (K MT)

Table Europe Silicon Nitride Ceramics Consumption Market Share by Countries (2013-2018)

Figure Europe Silicon Nitride Ceramics Consumption Market Share by Countries in 2017

Table Europe Silicon Nitride Ceramics Value by Countries (2013-2018) (\$ Millions)

Table Europe Silicon Nitride Ceramics Value Market Share by Countries (2013-2018)

Figure Europe Silicon Nitride Ceramics Value Market Share by Countries in 2017

Table Europe Silicon Nitride Ceramics Consumption by Type (2013-2018) (K MT)  
Table Europe Silicon Nitride Ceramics Consumption Market Share by Type (2013-2018)  
Figure Europe Silicon Nitride Ceramics Consumption Market Share by Type in 2017  
Table Europe Silicon Nitride Ceramics Consumption by Application (2013-2018) (K MT)  
Table Europe Silicon Nitride Ceramics Consumption Market Share by Application (2013-2018)  
Figure Europe Silicon Nitride Ceramics Consumption Market Share by Application in 2017  
Figure Germany Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)  
Figure Germany Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)  
Figure France Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)  
Figure France Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)  
Figure UK Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)  
Figure UK Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)  
Figure Italy Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)  
Figure Italy Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)  
Figure Russia Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)  
Figure Russia Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)  
Figure Spain Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)  
Figure Spain Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)  
Table Middle East & Africa Silicon Nitride Ceramics Consumption by Countries (2013-2018) (K MT)  
Table Middle East & Africa Silicon Nitride Ceramics Consumption Market Share by Countries (2013-2018)  
Figure Middle East & Africa Silicon Nitride Ceramics Consumption Market Share by Countries in 2017  
Table Middle East & Africa Silicon Nitride Ceramics Value by Countries (2013-2018) (\$ Millions)  
Table Middle East & Africa Silicon Nitride Ceramics Value Market Share by Countries (2013-2018)  
Figure Middle East & Africa Silicon Nitride Ceramics Value Market Share by Countries in 2017  
Table Middle East & Africa Silicon Nitride Ceramics Consumption by Type (2013-2018) (K MT)  
Table Middle East & Africa Silicon Nitride Ceramics Consumption Market Share by Type (2013-2018)  
Figure Middle East & Africa Silicon Nitride Ceramics Consumption Market Share by Type in 2017  
Table Middle East & Africa Silicon Nitride Ceramics Consumption by Application

(2013-2018) (K MT)

Table Middle East & Africa Silicon Nitride Ceramics Consumption Market Share by Application (2013-2018)

Figure Middle East & Africa Silicon Nitride Ceramics Consumption Market Share by Application in 2017

Figure Egypt Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Egypt Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure South Africa Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure South Africa Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Israel Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Israel Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure Turkey Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure Turkey Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Figure GCC Countries Silicon Nitride Ceramics Consumption Growth 2013-2018 (K MT)

Figure GCC Countries Silicon Nitride Ceramics Value Growth 2013-2018 (\$ Millions)

Table Silicon Nitride Ceramics Distributors List

Table Silicon Nitride Ceramics Customer List

Figure Global Silicon Nitride Ceramics Consumption Growth Rate Forecast (2018-2023) (K MT)

Figure Global Silicon Nitride Ceramics Value Growth Rate Forecast (2018-2023) (\$ Millions)

Table Global Silicon Nitride Ceramics Consumption Forecast by Countries (2018-2023) (K MT)

Table Global Silicon Nitride Ceramics Consumption Market Forecast by Regions

Table Global Silicon Nitride Ceramics Value Forecast by Countries (2018-2023) (\$ Millions)

Table Global Silicon Nitride Ceramics Value Market Share Forecast by Regions

Figure Americas Silicon Nitride Ceramics Consumption 2018-2023 (K MT)

Figure Americas Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)

Figure APAC Silicon Nitride Ceramics Consumption 2018-2023 (K MT)

Figure APAC Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)

Figure Europe Silicon Nitride Ceramics Consumption 2018-2023 (K MT)

Figure Europe Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)

Figure Middle East & Africa Silicon Nitride Ceramics Consumption 2018-2023 (K MT)

Figure Middle East & Africa Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)

Figure United States Silicon Nitride Ceramics Consumption 2018-2023 (K MT)

Figure United States Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)

Figure Canada Silicon Nitride Ceramics Consumption 2018-2023 (K MT)

Figure Canada Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)

Figure Mexico Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Mexico Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Brazil Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Brazil Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure China Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure China Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Japan Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Japan Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Korea Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Korea Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Southeast Asia Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Southeast Asia Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure India Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure India Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Australia Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Australia Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Germany Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Germany Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure France Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure France Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure UK Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure UK Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Italy Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Italy Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Russia Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Russia Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Spain Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Spain Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Egypt Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Egypt Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure South Africa Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure South Africa Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Israel Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Israel Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure Turkey Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure Turkey Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Figure GCC Countries Silicon Nitride Ceramics Consumption 2018-2023 (K MT)  
Figure GCC Countries Silicon Nitride Ceramics Value 2018-2023 (\$ Millions)  
Table Global Silicon Nitride Ceramics Consumption Forecast by Type (2018-2023) (K

MT)

Table Global Silicon Nitride Ceramics Consumption Market Share Forecast by Type (2018-2023)

Table Global Silicon Nitride Ceramics Value Forecast by Type (2018-2023) (\$ Millions)

Table Global Silicon Nitride Ceramics Value Market Share Forecast by Type (2018-2023)

Table Global Silicon Nitride Ceramics Consumption Forecast by Application (2018-2023) (K MT)

Table Global Silicon Nitride Ceramics Consumption Market Share Forecast by Application (2018-2023)

Table Global Silicon Nitride Ceramics Value Forecast by Application (2018-2023) (\$ Millions)

Table Global Silicon Nitride Ceramics Value Market Share Forecast by Application (2018-2023)

Table Kyoceras Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Kyoceras Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Kyoceras Silicon Nitride Ceramics Market Share (2016-2018)

Table CeramTec Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table CeramTec Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure CeramTec Silicon Nitride Ceramics Market Share (2016-2018)

Table 3M Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table 3M Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure 3M Silicon Nitride Ceramics Market Share (2016-2018)

Table Ortech Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Ortech Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Ortech Silicon Nitride Ceramics Market Share (2016-2018)

Table Toshiba Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Toshiba Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Toshiba Silicon Nitride Ceramics Market Share (2016-2018)

Table Coorstek Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Coorstek Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Coorstek Silicon Nitride Ceramics Market Share (2016-2018)



Table Morgan Advanced Materials Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Morgan Advanced Materials Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Morgan Advanced Materials Silicon Nitride Ceramics Market Share (2016-2018)

Table Ferrotec Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Ferrotec Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Ferrotec Silicon Nitride Ceramics Market Share (2016-2018)

Table Syalons Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Syalons Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Syalons Silicon Nitride Ceramics Market Share (2016-2018)

Table Rogers Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Rogers Silicon Nitride Ceramics Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Rogers Silicon Nitride Ceramics Market Share (2016-2018)

Table Amedica Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Honsin Ceramics Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Fraunhofer IKTS Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Winsted Precision Ball Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Hoover Precision Products Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Industrial Tectonics Inc Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Precision Ceramics Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Sinoma Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Unipretec Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Jinsheng Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table FCRI Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Zibo Silicon Nitride Products Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Shichao Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table HSCCER Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Kaifa Basic Information, Manufacturing Base, Sales Area and Its Competitors

## Table Mokai Basic Information, Manufacturing Base, Sales Area and Its Competitors

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