

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Silicon Nitride Ceramics Market 2018, Forecast to 2023

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## Abstracts

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.

### SCOPE OF THE REPORT:

This report focuses on the Silicon Nitride Ceramics in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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 market took up about 38.41% the global sales in 2016, followed by North America (32.25%).

The worldwide market for Silicon Nitride Ceramics is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

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

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

CPS

RS

GPS

Other

Market Segment by Applications, can be divided into

Aerospace Components

Cutting Tools

Bearing Rolling Elements

Automotive Components (rollers/pads)

Oil&Gas Components Industry

Mining Components

Other

There are 15 Chapters to deeply display the global Silicon Nitride Ceramics market.

Chapter 1, to describe Silicon Nitride Ceramics Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Silicon Nitride Ceramics, with sales, revenue, and price of Silicon Nitride Ceramics, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Silicon Nitride Ceramics, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Silicon Nitride Ceramics market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Silicon Nitride Ceramics sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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