

# 2018 Top 5 Transparent Ceramics Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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Transparent ceramics, a new class of advanced functional materials, find diverse applications in strategic and civilian sectors owing to its unique combination of mechanical and transmission properties. Technological advancements in ceramic powder synthesis, shaping and sintering have made it possible to tailor the microstructural, mechanical and optical property relationships in case of advanced transparent ceramic materials. Transparent ceramic materials are classified broadly as visible, mid wave and long wave infrared regions. The transparent ceramic systems, which are explored currently, include ALON Transparent Ceramics, Sapphire Transparent Ceramics, Ytria Transparent Ceramics, Spinel Transparent Ceramics, YAG transparent ceramics and so on.

Transparent ceramics are proving to be a promising alternative to traditional glass technologies and single-crystal technologies in various diverse application fields such as high-energy radiation detection, infrared domes, lasers, optical fibers, and armors. U.S. was the largest market for transparent ceramics market globally, with a share exceeding 58% in 2016. Growing use of the product owing to its superior characteristics has been fueling growth of the market in this region.

A critical factor for growth in Asia region is availability of raw materials at lower prices coupled with the presence of large number of suppliers and producers. China is anticipated to lead growth of the Asia Pacific market over the next six years.

Over the next five years, LPI(LP Information) projects that Transparent Ceramics will register a 18.5% CAGR in terms of revenue, reach US\$ 730 million by 2023, from US\$ 260 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

CoorsTek

CeramTec ETEC

Surmet Corporation

II-VI Optical Systems

Konoshima Chemicals

CeraNova

Bright Crystals Technology

Shanghai SICCAS

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Chile, Peru and Argentina)

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

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

ALON Transparent Ceramics

Sapphire Transparent Ceramics

Yttria Transparent Ceramics

Spinel Transparent Ceramics

YAG Transparent Ceramics

Other

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Transparent Armor

Domes and Windows

Sensors & Instrumentation

Other (Lighting, Lens, etc)

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