

# **Transparent Ceramics Market by Type (Monocrystalline Transparent Ceramics and Polycrystalline Transparent Ceramics), Material (Sapphire, Yttrium Aluminum Garnet, Spinel, and Aluminum Oxynitride Spinel), and End Use Industry (Optics & Optoelectronics, Aerospace, Defense & Security, Mechanical/Chemical, Sensors & Instrumentation, Healthcare, Consumer, and Energy) - Global Opportunity Analysis and Industry Forecast, 2014-2022**

<https://marketpublishers.com/r/TE7EC1C7EA3EN.html>

Date: February 2017

Pages: 230

Price: US\$ 4,999.00 (Single User License)

ID: TE7EC1C7EA3EN

## **Abstracts**

Transparent Ceramics Are Inorganic Solid Materials That Permit Light To Pass Through Them Without Diffusing It To Obtain A Clear Image Of The Object Behind. They Are Usually Glassy And Crystalline In Nature, And Are Derived From Silica-Based Glass By The Crystallization Process.

The Global Transparent Ceramics Market Was Valued At \$246 Million In 2015, And Is Anticipated To Reach \$729 Million By 2022, Growing At A Cagr Of 17.4% During The Forecast Period. It Is Segmented Based On Type, Materials, Application, And Geography. The Demand For Transparent Ceramics Has Increased Owing To Its Increased Use In Optics, Defense, And Healthcare Equipment And Growth In End-Use Industries Such As Energy, Healthcare, Aerospace & Defense, And Consumer Goods. Based On The Type, The Market Is Bifurcated Into Monocrystalline And Polycrystalline Transparent Ceramics. Polycrystalline Transparent Ceramics Segment Is Projected To Grow At The Highest Cagr, Owing To Its Rapid Adoption In Temperature Ir Sensors, Bio-Materials, And Thermography. Based On The Materials, The Market Is Divided Into

Sapphire, Yttrium Aluminum Garnet, Spinel, And Aluminum Oxynitride Spinel. Sapphire Segmented Dominated The Market For Transparent Ceramics In 2015. Optics & Optoelectronics; Aerospace, Defense & Security; Mechanical/Chemical; Sensors & Instrumentation; Healthcare; Consumer; And Energy Are The Various End-Use Industries For This Market.

Geographically, The Market Is Analyzed Across North America, Europe, Asia-Pacific, And Lamea. Asia-Pacific Led The Market In 2015, Due To The Presence Of Major Ceramics Suppliers And Manufacturers. It Is Also Projected To Register The Highest Demand For Transparent Ceramics, Owing The Reduced Cost Of Transparent Ceramics In The Region.

The Companies Profiled In The Report Are As Follows

Ceranova Corporation

Surmet Corporation

Brightcrystals Technology Inc.

Konoshima Chemicals Co., Ltd.

Coorstek Inc.

Ii-Vi Optical Systems

Schott Ag

Murata Manufacturing Co. Ltd.

Cilas

Ceramtec Etec

## Key Market Benefits

The Report Provides An In-Depth Analysis Of The Current Trends, Drivers, And Dynamics Of The Global Transparent Ceramics Market To Elucidate The Prevailing Opportunities And The Probable Investment Pockets.

It Offers Qualitative Trends As Well As Quantitative Analysis From 2014 To 2022 To Assist The Stakeholders To Understand The Market Scenario.

A Detailed Analysis Of The Key Segments Demonstrates The Consumption Of Transparent Ceramics In Different Applications Across Various Industries.

Competitive Intelligence Highlights The Business Practices, Strategies, And Developments Followed By Key Business Players Across The Geographies.

## Transparent Ceramics Market Key Segments By Type

Monocrystalline

Polycrystalline

## By Material

Sapphire

Yttrium Aluminum Garnet (Yag)

Spinel

Aluminum Oxynitride Spinel

## By Application

Optics & Optoelectronics

Aerospace, Defense & Security

Mechanical/Chemical

Sensors & Instrumentation

Healthcare

Consumer

Energy

## By Geography

North America

U.S.

Canada

Mexico

Europe

Germany

France

Uk

Russia

Spain

Turkey

Rest Of Europe

Asia-Pacific

China

India

Japan

Australia

Rest Of Asia-Pacific

Lamea

Brazil

Argentina

Saudi Arabia

Uae

Rest Of Lamea

Other Key Players In The Market Value Chain Include The Following:

Koito Manufacturing

Ibd Deisenroth Engineering

General Electric

The Above List Of Companies Is Not Profiled, But Can Be Profiled Based On Client Request.

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