

Global Industrial Ceramics Market Size study & Forecast, by Material (Oxide, Non-Oxide) by Product (Monolithic ceramics, Composite ceramics), by End-User (Automotive and Aerospace, Energy and Power, Electronics and Semiconductor, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Industrial Ceramics Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Industrial ceramics, also known as advanced ceramics or engineering ceramics, is a diverse group of inorganics, non-metallic materials that exhibit exceptional mechanical, thermal, electrical, and chemical properties. These materials are typically developed and used for industrial applications where traditional materials like metals and plastics may not meet the required performance criteria. Moreover, the growing demand in automotive industry, rising demand in manufacturing industries, surge in aerospace and defense spending, and expansion in renewable energy projects that anticipated to create the lucrative demand for the market during forecast period 2023-2030.

Additionally, the ceramics play a role in renewable energy applications, including solar panels and components for wind turbines. The growth of renewable energy projects contributes to the demand for industrial ceramics. Thus, the growing renewable energy projects is anticipated to create the lucrative demand for the market growth. For instance, in 2020, the global cumulative installed solar PV capacity was 7,72,200 megawatts and the adoption of solar energy increased significantly and the number reached 1,177,000 megawatts in 2022. Moreover, the rapid urbanization and infrastructure development and increasing emphasis on energy efficiency is anticipated

to create the lucrative opportunity for the market. However, the fluctuating prices of raw materials and technical limitations of industrial ceramics stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Industrial Ceramics Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the increasing demand in aerospace and defense, expanding automotive sector, advancements in electronics and electrical applications, and continuous investments in research and development activities. Whereas, Asia Pacific region is expected to grow with the fastest growth rate during the forecast period, owing to factors such as the rapid industrialization, expanding construction sector, growing automotive manufacturing, and growing electronics and semiconductor industries.

Major market player included in this report are:

LSP Industrial Ceramics, Inc.

Industrial Ceramic Products, Inc.

Elan Technology

Schaefer Industrial Ceramic

Kyocera Group

CM Cera Co Ltd.

AGC Ceramics Co., Ltd.

Khyati Ceramics

Carborundum Universal Limited

Anderman Industrial Ceramics

Recent Developments in the Market:

In April 2021, Ceram Tec collaborated with the Fraunhofer Institute for

Integrated Systems and Device Technology to create a ceramic power module tailored for drive inverters in e-mobility solutions. Together, they worked on advancing cooling solutions specifically designed for power electronics within e-mobility drive trains.

Global Industrial Ceramics Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Material, Product, End-User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Material:

Global Industrial Ceramics Market Size study & Forecast, by Material (Oxide, Non-Oxide) by Product (Monolithic...

Oxide

Non-Oxide

By Product:

Monolithic ceramics

Composite ceramics

By End-User:

Automotive and Aerospace

Energy and Power

Electronics and Semiconductor

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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