

North America Ceramic Injection Molding Market Forecast to 2027 - COVID-19 Impact and Regional Analysis by Type (Alumina, Zirconia, and Others) and Industry Vertical (Industrial Machinery, Automotive, Healthcare, Electrical and Electronics, Consumer Goods, and Others)

<https://marketpublishers.com/r/N2D412231C01EN.html>

Date: March 2023

Pages: 102

Price: US\$ 3,000.00 (Single User License)

ID: N2D412231C01EN

Abstracts

The North America ceramic injection molding market is expected to grow from US\$ 107.33 million in 2022 to US\$ 173.77 million by 2028. It is estimated to grow at a CAGR of 8.4% from 2022 to 2028.

High Utilization of Ceramic Injection Molding Technology across Various End-Use Industries is Fuelling the North America Ceramic Injection Molding Market

Ceramic injection molding is extensively used in industries such as automotive, electronics, consumer goods, and many others. Ceramic injection molding technology can produce highly accurate, complex ceramic components and parts for electronics, mobile phones, and consumer goods. For the past few years, the production of portable computing devices, cellular phones, gaming systems, and other personal electronic devices has increased exponentially. Hence, the rise in the adoption of these products drives the expansion of the ceramic injection molding industry. Rapid industrialization and urbanization resulted in increased disposable income, particularly in the developing countries. This has further led to the rise in the adoption of mobile phones, electronic items, vehicles, and others. The tremendous growth of the automobile industry combined with high demand for ceramic injection molding technology to produce automotive components and parts is stimulating a positive impact on industry growth. The demand for molded miniature products is escalating in the automotive sector,

attributed to their high strength and complexity in their structures. Complex and vital components in electronic systems, engines, and locking mechanisms are usually manufactured by injection molding processes, which is a considerable driver to expanding the ceramic injection molding market. Advanced ceramics function efficiently under extreme conditions such as high temperatures, corrosive atmospheres, and abrasive conditions. Also, advanced ceramics integrate with excellent mechanical characteristics with a low specific weight owing to which they are considered lightweight materials and thus find applications in moving aeronautics, automotive components, and engine components. Thus, the rising demand for ceramic injection molded parts across various industries is significantly driving the North America ceramic injection molding market growth.

North America Ceramic Injection Molding Market Overview

The North America ceramic injection molding market is segmented into the US, Canada, and Mexico. The growth of the ceramic injection molding market in North America is majorly attributed to the strong foothold of several domestic and international ceramic injection molding companies in the region. Moreover, presence of well-established healthcare, automotive, consumer goods, and electronics industry in the region also drives the adoption of ceramic injection molding technology, propelling the market growth. Furthermore, favorable manufacturing and trade policies in the region also supports the market growth. The North America ceramic injection molding market is expected to experience strong growth during the forecast period owing to increased demand for ceramic medical implants in the healthcare industry. Massive growth in the automobile industry along with huge production demand for this technology is anticipated to have a positive impact on the industry growth in the upcoming years. Growth and development in the medical & healthcare sectors are further expected to boost the demand for ceramic injection molding technology in the region in the coming years.

North America Ceramic Injection Molding Market Revenue and Forecast to 2028 (US\$ Million)

North America Ceramic Injection Molding Market Segmentation

The North America ceramic injection molding market is segmented based on type, industry vertical, and country.

Based on type, the North America ceramic injection molding market is segmented into

alumina, zirconia, and others. The alumina segment held the largest market share in 2022.

Based on industry vertical, the North America ceramic injection molding market is segmented into industrial machinery, automotive, healthcare, electrical and electronics, consumer goods, and others. The healthcare segment held the largest market share in 2022.

Based on country, the North America ceramic injection molding market has been categorized into the US, Canada, and Mexico. Our regional analysis states that the US dominated the market in 2022.

AMT PTE. LTD.; ARBURG GmbH + Co KG; Ceramco, Inc.; CoorsTek Inc.; INDO-MIM; MICRO; Morgan Advanced Materials; Nishimura Advanced Ceramics Co., Ltd.; and Oechsler AG are the leading companies operating in the North America ceramic injection molding market.

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