

# Global Boron Carbide Market Share Likely to Reach at a CAGR of 4.27% By 2030 - Custom Market Insights

*The global boron carbide market size is estimated at USD 324 Million in 2021 and is expected to hit USD 450 Million by 2030 with CAGR of 4.27% from 2022 to 2030*

SANDY, UTAH, UNITED STATES, August 17, 2022 /EINPresswire.com/ -- The [global boron carbide market](#) size was estimated at USD 324 Million in 2021 and is expected to hit around USD 450 Million by 2030, poised to grow at a compound annual growth rate (CAGR) of 4.27% from 2022 to 2030.



Custom Market Insights

Boron carbide is a crystalline compound of boron and carbon. It is the hardest material known after diamond and cubic boron nitride. It is used in abrasive and wear-resistant products, in lightweight composite materials, and in control rods for nuclear power generation. Its strength ability is to withstand an applied load without failure or plastic deformation.

Get a sample of the report @ <https://www.custommarketinsights.com/request-for-free-sample/?reportid=12133>

Boron carbide is also used as ballistic armor along with other materials, resulting in properties like high hardness, high elastic modulus, and low density which provides extraordinary unique stopping power against high-velocity projectiles. Boron Carbide has antimicrobial protection properties due to which they are used in cooling towers in power plants, mining, swimming pools, tank armor, bulletproof vests, engine sabotage powders, and other industrial applications.

## Opportunities

The growing demand from the refractory industry is projected to support the growth of the global [boron carbide market](#) in the forthcoming years. In addition, the market for boron carbide

is witnessing increased demand avenues from the nuclear, aerospace, and automotive industries. In nuclear industries, boron carbide is in high demand for protective ceramic materials. All these factors together may act as one of the key drivers responsible for the growth of the market; thus, creating generative opportunities.

Read All Chemicals And Materials Market Research Report @  
<https://www.custommarketinsights.com/reports-store/chemicals-materials/>

## Challenges

Over the forecast period, high costs and complexity related to import and export issues may act as one of the challenging factors in the boron carbide market.

## Report Highlights

On the basis of grade, the segment includes abrasive and nuclear and defense grades. The abrasive segment dominated the market in 2020 and is expected to grow over the forecasted period. Boron carbide coating is widely used in lapping and polishing applications owing to its high hardness. It is also used as a loose abrasive in multiple cutting applications, such as water jet cutting, grit blasting and slurry pumping. Abrasive boron carbide is considered to be an ideal material for dressing diamond tools. However, the nuclear & defense grade segment is expected to grow at a moderate rate during the forecast period.

Take a Look at our other Reports:

Tobacco Paper Market: <https://www.custommarketinsights.com/report/tobacco-paper-market/>

Smart Fleet Management Market: <https://www.custommarketinsights.com/report/smart-fleet-management-market/>

Smart Eyewear Technology Market: <https://www.custommarketinsights.com/report/smart-eyewear-technology-market/>

Security Robots Market: <https://www.custommarketinsights.com/report/security-robots-market/>

Veterinary Orthopedic Implants Market :  
<https://www.custommarketinsights.com/report/veterinary-orthopedic-implants-market/>

Segments Covered in the Boron Carbide market report;

By Grade

Abrasive Grade

Nuclear & Defence Grade

By Type

Powder  
Paste  
Grains

#### By Application

Industrial  
Grinding  
Lapping  
Polishing  
Others  
Nuclear  
Defence  
Body Armor  
Vehicle Armor

To know about the assumptions considered for the study, download the pdf brochure @  
<https://www.custommarketinsights.com/request-for-free-sample/?reportid=12133>

#### On the basis of Geography

##### North America

The U.S.  
Canada  
Mexico

##### Europe

France  
The UK  
Spain  
Germany  
Italy  
Rest of Europe

##### Asia Pacific

China  
Japan  
India  
Australia

South Korea  
Rest of Asia Pacific

The Middle East & Africa

Saudi Arabia  
UAE  
Egypt  
Kuwait  
South Africa  
Rest of the Middle East & Africa

Latin America

Brazil  
Argentina  
Rest of Latin America

About Us

[Custom Market Insights](#) is a market research and advisory company delivering business insights and market research reports to large, small, and medium-scale enterprises. We assist clients with strategies and business policies and regularly work towards achieving sustainable growth in their respective domains.

Custom Market Insights provides a one-stop solution for data collection to investment advice. The expert analysis of our company digs out essential factors that help to understand the significance and impact of market dynamics. The professional experts apply clients inside on the aspects such as strategies for future estimation fall, forecasting or opportunity to grow, and consumer survey.

Get a sample of the report @ <https://www.custommarketinsights.com/request-for-free-sample/?reportid=12133>

Joel John  
Custom Market Insights  
+1 801-639-9061

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/586535907>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2022 Newsmatics Inc. All Right Reserved.