Glassy carbon, also called vitreous carbon, is a non-graphitized carbon which combines glassy and ceramic properties with those of graphite. It takes its name from its shiny, concoidal fracture surface, i.e. it looks like glass. The most important properties are high temperature resistance, extreme resistance to chemical attack, and impermeability to gases and liquids. Glassy carbon is widely used as an electrode material in electrochemistry, as well as for high temperature crucibles.

Limited by high technical barriers, there are only six major suppliers all over the world, such as HTW Hochtemperatur-Werkstoffe, Tokai Carbon, Mersen, NEYCO, SPI Supplies and Alfa etc. HTW Hochtemperatur-Werkstoffe, a company based in Germany, is the market leader in this industry with sales share of 61.19% in 2017. Tokai Carbon, which sold 268.4 Kg glassy carbon in 2017, is the second largest supplier in the world.

Glassy carbon had many shapes according to different application. During all shapes, glassy carbon crucible is the largest type, which took a share of 68.48% in 2017. Glassy carbon rod is another important shape which mainly used to make glassy carbon electrode.

Global Glassy Carbon market size will increase to 95 Million US$ by 2025, from 80 Million US$ in 2018, at a CAGR of 2.2% during the forecast period. In this study, 2018 has been considered as the base year and 2019 to 2025 as the forecast period to estimate the market size for Glassy Carbon.

This report researches the worldwide Glassy Carbon market size (value, capacity, production and consumption) in key regions like United States, Europe, Asia Pacific (China, Japan) and other regions.

This study categorizes the global Glassy Carbon breakdown data by manufacturers, region, type and application, also analyzes the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter’s Five Forces Analysis.

The following manufacturers are covered in this report:
- HTW Hochtemperatur-Werkstoffe
- Tokai Carbon
- Mersen
- NEYCO
- SPI Supplies
- Alfa

Glassy Carbon Breakdown Data by Type
- Service Temperature ≤1100°C
- Service Temperature ≥2000°C

Glassy Carbon Breakdown Data by Application
- Glassy Carbon Crucibles
- Glassy Carbon Plate
- Glassy Carbon Rods
- Glassy Carbon Disks
- Others

Glassy Carbon Production Breakdown Data by Region
- United States
- Europe
- China
- Japan

Other Regions
- Glassy Carbon Consumption Breakdown Data by Region
- North America
- United States
- Canada
- Mexico
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Indonesia
- Malaysia
- Philippines
- Thailand
- Vietnam
- Europe
- Germany
- France
- UK
- Italy
- Russia
- Rest of Europe
- Central & South America
The study objectives are:

To analyze and research the global Glassy Carbon capacity, production, value, consumption, status and forecast.

To focus on the key Glassy Carbon manufacturers and study the capacity, production, value, market share and development plans in next few years.

To focuses on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.

To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.

To identify significant trends and factors driving or inhibiting the market growth.

To analyze the opportunities in the market for stakeholders by identifying the high growth segments.

To strategically analyze each submarket with respect to individual growth trend and their contribution to the market.

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of Glassy Carbon:

- History Year: 2014-2018
- Base Year: 2018
- Estimated Year: 2019
- Forecast Year 2019 to 2025

For the data information by region, company, type and application, 2018 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

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