

# Global Diamond-like Carbon (DLC) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Diamond-like Carbon (DLC) market size is expected to reach \$ 985.3 million by 2029, rising at a market growth of 4.4% CAGR during the forecast period (2023-2029).

Global key players of diamond-like carbon (DLC) include Oerlikon Balzers, IHI Group, CemeCon, Miba Group (Teer Coatings), Techmetals, etc. The top five players hold a share about 72%. Europe is the largest producer, has a share about 33%, followed by China and North America, with share 25% and 22%, respectively. The largest market is Asia Pacific, with a share about 40%, followed by Europe and North America, with share 33% and 22%, separately.

Diamond-Like Carbon (DLC) coating is an amorphous, stable carbon layer that does not react to acids or alkaline. It is highly resistant against oxidation and corrosion. The high density and amorphous structure of DLC inhibit corrosive by-products from penetrating into tools. The chemically inert characteristics of diamond-like coatings dramatically reduce possibility of cold welding and material pickup on the surface of the tool.

This report studies the global Diamond-like Carbon (DLC) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Diamond-like Carbon (DLC), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Diamond-like Carbon (DLC) that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Diamond-like Carbon (DLC) total production and demand, 2018-2029, (Million Units)

Global Diamond-like Carbon (DLC) total production value, 2018-2029, (USD Million)

Global Diamond-like Carbon (DLC) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Million Units)

Global Diamond-like Carbon (DLC) consumption by region & country, CAGR, 2018-2029 & (Million Units)

U.S. VS China: Diamond-like Carbon (DLC) domestic production, consumption, key domestic manufacturers and share

Global Diamond-like Carbon (DLC) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Million Units)

Global Diamond-like Carbon (DLC) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Million Units)

Global Diamond-like Carbon (DLC) production by Application production, value, CAGR, 2018-2029, (USD Million) & (Million Units)

This reports profiles key players in the global Diamond-like Carbon (DLC) market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Oerlikon Balzers, IHI Group, CemeCon, Diamonex, Miba Group (Teer Coatings), Acree Technologies, IBC Coatings Technologies, Techmetals and Calico Coatings, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Diamond-like Carbon (DLC) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (USD/K Units) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Diamond-like Carbon (DLC) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Diamond-like Carbon (DLC) Market, Segmentation by Type

Hydrogenated DLC

Hydrogen Free DLC

#### Global Diamond-like Carbon (DLC) Market, Segmentation by Application

Automobile Components

Tooling components

Other

#### Companies Profiled:

Oerlikon Balzers

IHI Group

CemeCon

Diamonex

Miba Group (Teer Coatings)

Acree Technologies

IBC Coatings Technologies

Techmetals

Calico Coatings

Stararc Coating

Creating Nano Technologies

#### Key Questions Answered

1. How big is the global Diamond-like Carbon (DLC) market?
2. What is the demand of the global Diamond-like Carbon (DLC) market?
3. What is the year over year growth of the global Diamond-like Carbon (DLC) market?
4. What is the production and production value of the global Diamond-like Carbon (DLC) market?

5. Who are the key producers in the global Diamond-like Carbon (DLC) market?
6. What are the growth factors driving the market demand?

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