

Global Lab Grown Diamond Market: Analysis
By Manufacturing Method (High Pressure
High Temperature and Chemical Vapor
Deposition), By Size (Below 2 Carat, 2-4 Carat
and Above 4 Carat), By Type (Polished and
Rough), By Nature (Colorless and Colored),
By Application (Jewelry and Industrial), By
Region Size and Trends with Impact of
COVID-19 and Forecast up to 2028

March 2023



Global Lab Grown Diamond Market: Coverage

Executive Summary and Scope

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Impact Of COVID 19

Dynamics

Competitive Landscape

Company Profiling

Global Lab Grown Diamond Market: Coverage

Scope of the Report

Attributes	Details
Title	Global Lab Grown Diamond Market: Analysis By Manufacturing Method (High Pressure High Temperature and Chemical Vapor Deposition), By Size (Below 2 Carat, 2-4 Carat and Above 4 Carat), By Type (Polished and Rough), By Nature (Colorless and Colored), By Application (Jewelry and Industrial), By Region Size and Trends with Impact of COVID-19 and Forecast up to 2028
Coverage	Global and Regional
Regional Coverage	North America (The US, Canada, and Mexico), Europe (UK, France, Italy and rest of Europe), Asia Pacific (China, Japan, India, South Korea and rest of Asia Pacific), Latin America and Middle East and Africa.
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2023-2028
Competition in the Market	Moderately Fragmented
Key Players	Henan Huanghe Whirlwind Co.,Ltd.; New Diamond Technology Company; Swarovski International Holding AG (Swarovski AG); WD Lab Grown Diamonds; Applied Diamond, Inc.; De Beers Group (Element Six); HEYARU Group; ABD Diamonds; Clean Origin LLC; Eco Lab Diamonds; and Vibranium Lab Grown Diamonds.

Global Lab Grown Diamond Market: Coverage

Executive Summary

Lab grown diamond market is associated with manufacturing and sale of lab grown diamonds (LGD) by entities (organizations, sole traders and partnerships) to fashion, jewelry, and industrial sectors for a variety of end use applications in biotechnology, quantum computing, high-sensitivity sensors, thermal conductors, optical materials, adorned accessories, etc. The global lab grown diamond market value stood at US\$22.45 billion in 2022, and is expected to reach US\$37.32 billion by 2028. The market is expected to grow at a CAGR of 8.84% over the projected period of 2023-2028. The global lab grown diamond market volume was at 9.13 million carats in 2022, and is expected to grow at a CAGR of 12.86% over the projected period of 2023-2028.

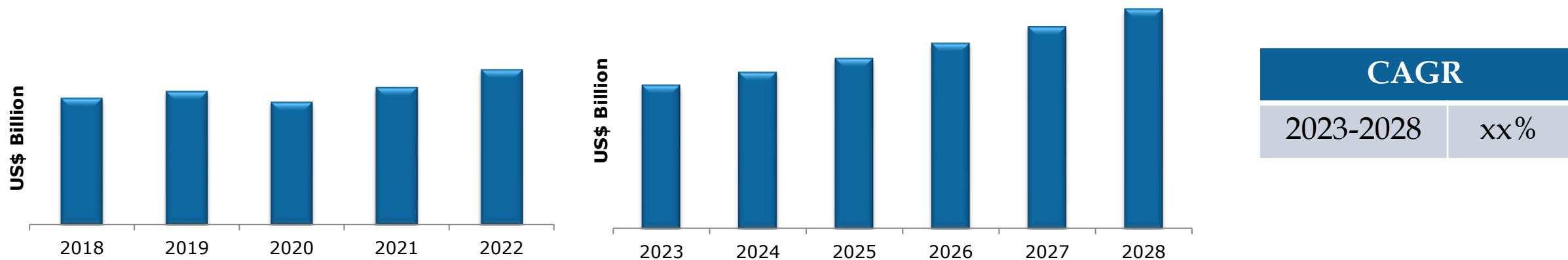
The lab grown diamond can be segmented on the basis of manufacturing method (high pressure high temperature and chemical vapor deposition), size (below 2 carat, 2-4 carat and above 4 carat), type (polished and rough), nature (colorless and colored), and application (jewelry and industrial). Lab grown diamond jewelry market is both the largest and fastest growing segment of global lab grown diamond market owing to increasing number of jewelry store, rising disposable income, allure of larger diamond within same price range, and growing popularity of jewelry among men. On the basis of region, Asia Pacific lab grown diamond market in the largest & fastest growing region of global lab grown diamond market.

COVID-19 pandemic brought in many changes in the world in terms of reduced productivity, loss of life, business closures, lockdown and closing down of factories and organizations. Lockdown policies, imposed by the government to prevent the spread of virus forced various end user industries to either shut down or run low on production capacity, resulting in lower production and manufacturing activities by various end user industries. COVID-19 pandemic also resulted in a sharp decline in revenues and lowered profit margins as with diamond manufacturing process requiring a physical environment to be properly executed, COVID-19 pandemic shifted everything online, making it difficult for lab grown diamond factories and laboratories to effectively carry out the manufacturing process in the hybrid mode, further hampering the overall growth of lab grown diamond market

The global lab grown diamond market has increased from 2020-2022 and the projections are made that the market will continue to rise in the next five years i.e. 2023-2028. The demand for lab grown diamond has been rising significantly in recent years owing to rapid urbanization, fall in prices of lab grown diamonds, increasing demand from end user industries, fast growing jewelry industry, etc. Further, the market is expected to grow at a rapid pace due to integration of artificial intelligence (AI), increasing consumer awareness, advancements in lab grown diamond production technologies, rising sustainability concerns, etc. Yet the market faces some challenges such as complexities in manufacturing process, increased competition from naturally mined diamond, etc.

Lab Grown Diamond Market: Global Analysis

Global Lab Grown Diamond Market by Value



Global lab grown diamond market was valued at US\$... billion in 2022 and is anticipated to reach up to US\$... billion by 2028 from US\$... billion in 2023, with a CAGR of xx%.

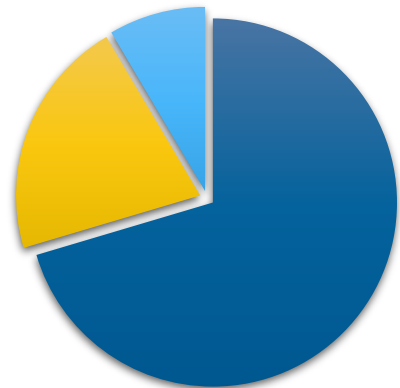
Lab Grown Diamond Market: Global Analysis

Global Lab Grown Diamond Market by Manufacturing Method; 2022



Manufacturing Method	Share (2022)
Chemical Vapor Deposition (CVD)	xx%
High Pressure High Temperature (HPHT)	xx%

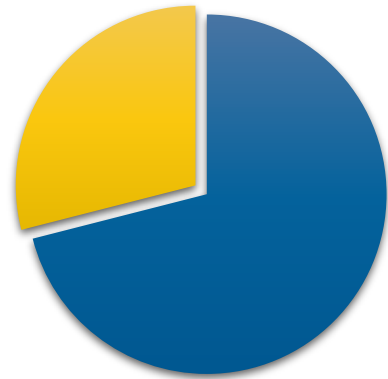
Global Lab Grown Diamond Market by Size; 2022



Size	Share (2022)
Below 2 Carat	xx%
2-4 Carat	xx%
Above 4 Carat	xx%

Lab Grown Diamond Market: Global Analysis

Global Lab Grown Diamond Market by Type; 2022



Type	Share (2022)
Polished	xx%
Rough	xx%

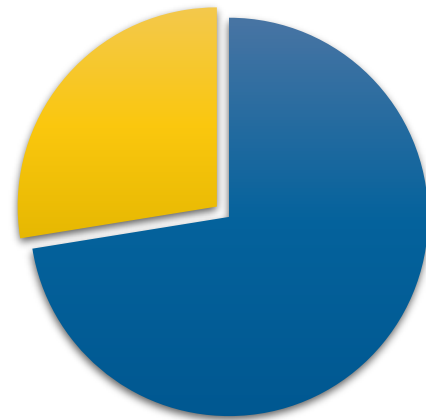
Global Lab Grown Diamond Market by Nature; 2022



Nature	Share (2022)
Colorless	xx%
Colored	xx%

Lab Grown Diamond Market: Global Analysis

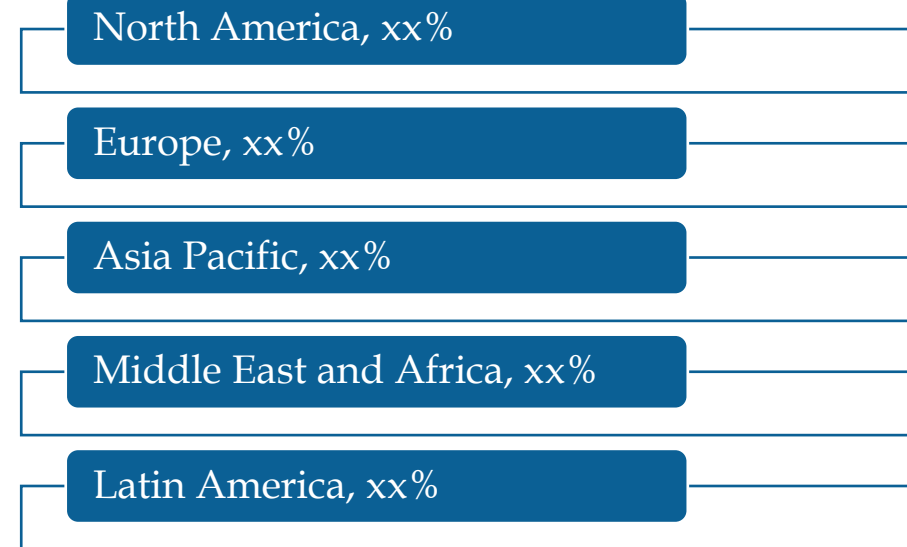
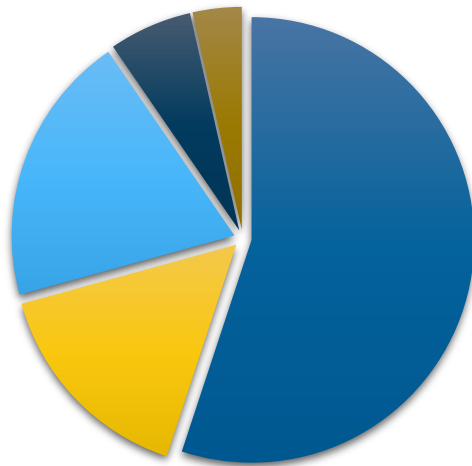
Global Lab Grown Diamond Market by Application; 2022



Application	Share (2022)
Industrial	xx%
Jewelry	xx%

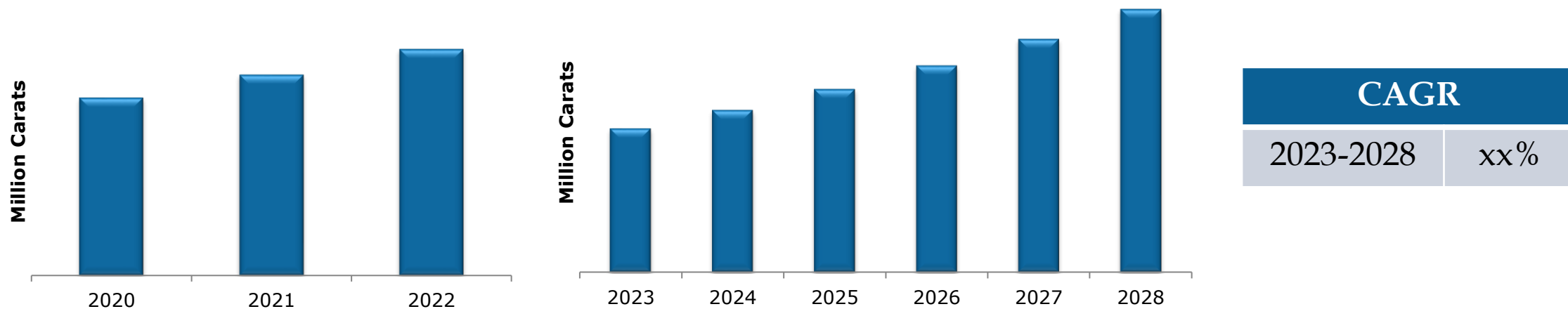
Lab Grown Diamond Market: Global Analysis

Global Lab Grown Diamond Market by Region; 2022



Lab Grown Diamond Market: Global Analysis

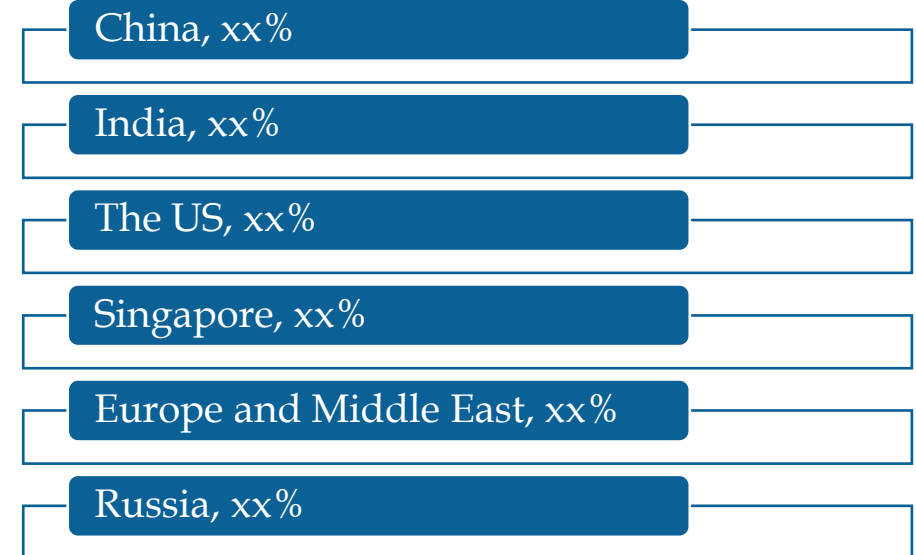
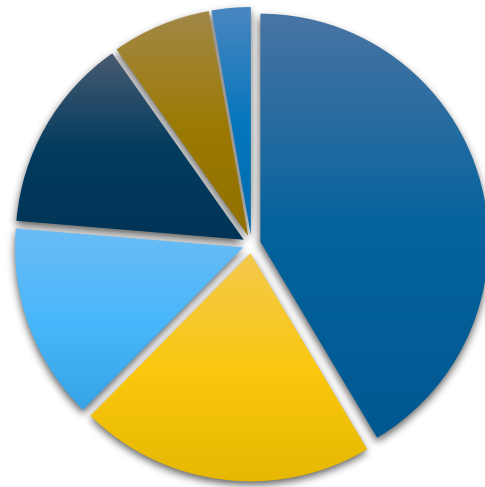
Global Lab Grown Diamond Market by Volume



Global lab grown diamond market volume was at ... million carats in 2022 and is anticipated to reach up to ... million carats by 2028 from ... million carats in 2023, with a CAGR of xx%.

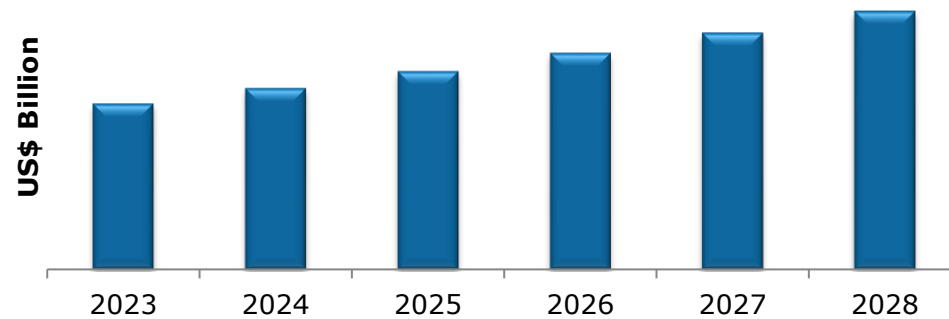
Lab Grown Diamond Market: Global Analysis

Global Lab Grown Diamond Market by Region; 2022

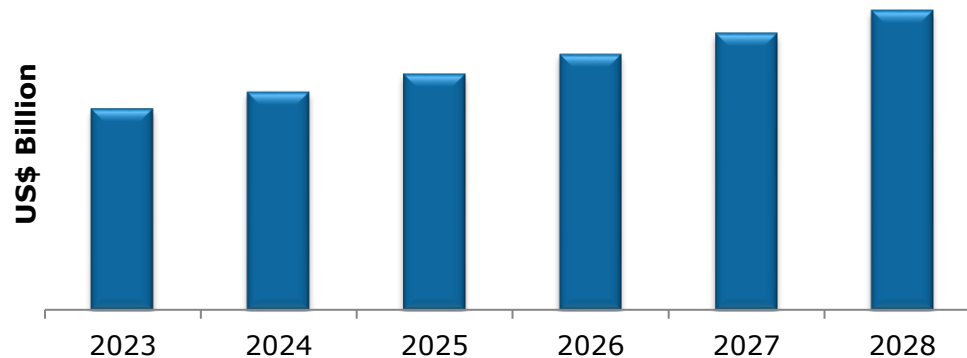


Lab Grown Diamond Market: Manufacturing Method Analysis

Global Chemical Vapor Deposition Lab Grown Diamond Market by Value



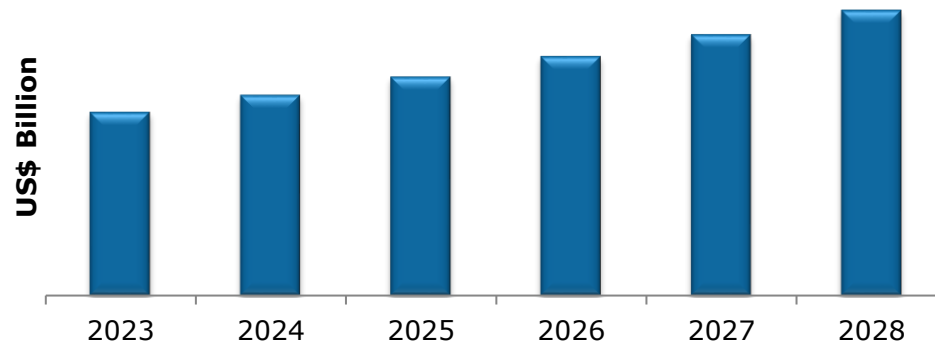
Global High Pressure High Temperature Lab Grown Diamond Market by Value



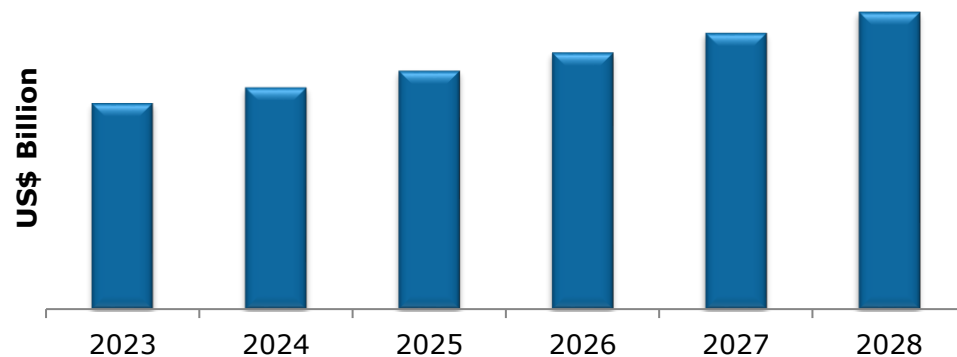
Manufacturing Method	CAGR (2023-2028)
Chemical Vapor Deposition (CVD)	xx%
High Pressure High Temperature (HPHT)	xx%

Lab Grown Diamond Market: Size Analysis

Global Below 2 Carat Lab Grown Diamond Market by Value



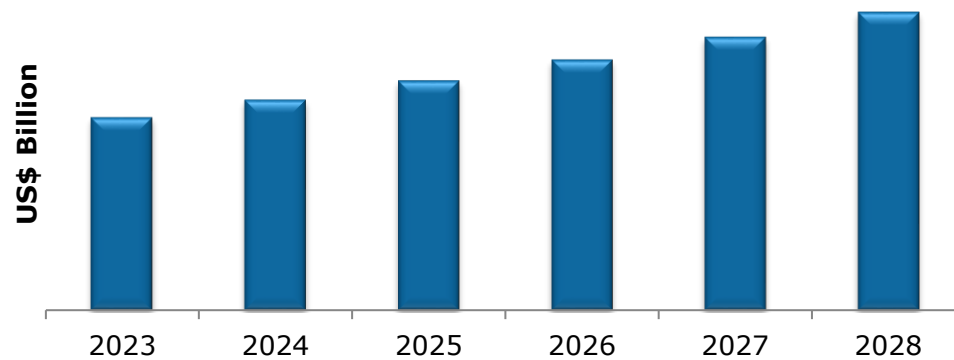
Global 2-4 Carat Lab Grown Diamond Market by Value



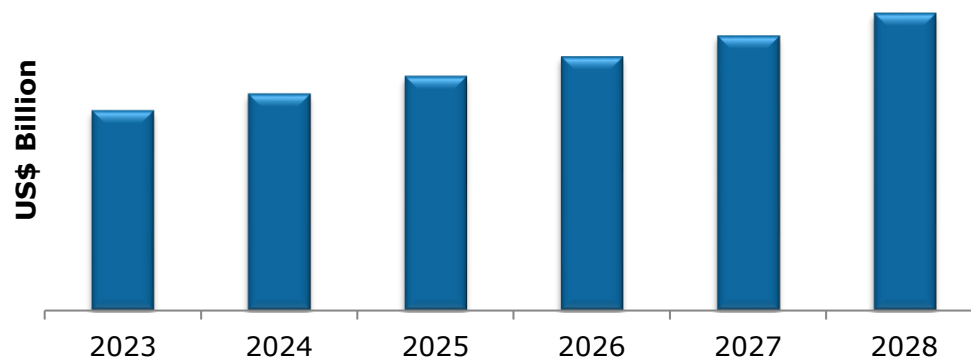
Size	CAGR (2023-2028)
Below 2 Carat	xx%
2-4 Carat	xx%
Above 4 Carat	xx%

Lab Grown Diamond Market: Type Analysis

Global Polished Lab Grown Diamond Market by Value



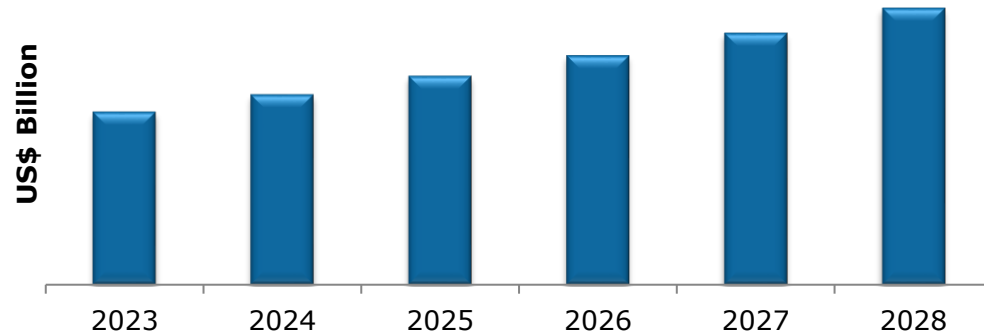
Global Rough Lab Grown Diamond Market by Value



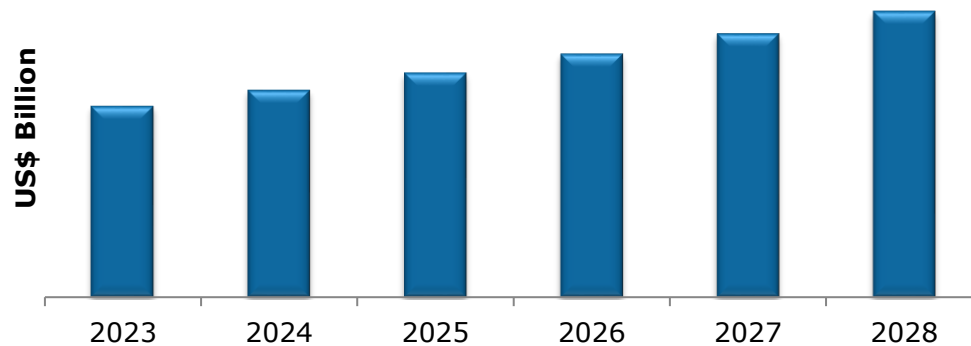
Type	CAGR (2023-2028)
Polished	xx%
Rough	xx%

Lab Grown Diamond Market: Nature Analysis

Global Colored Lab Grown Diamond Market by Value



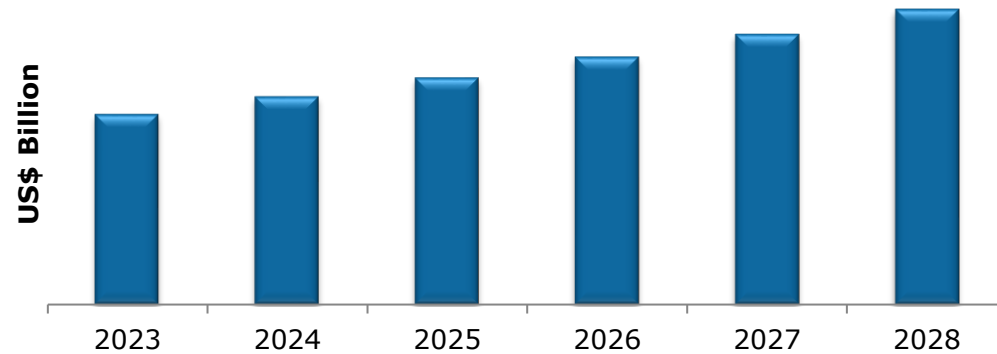
Global Colorless Lab Grown Diamond Market by Value



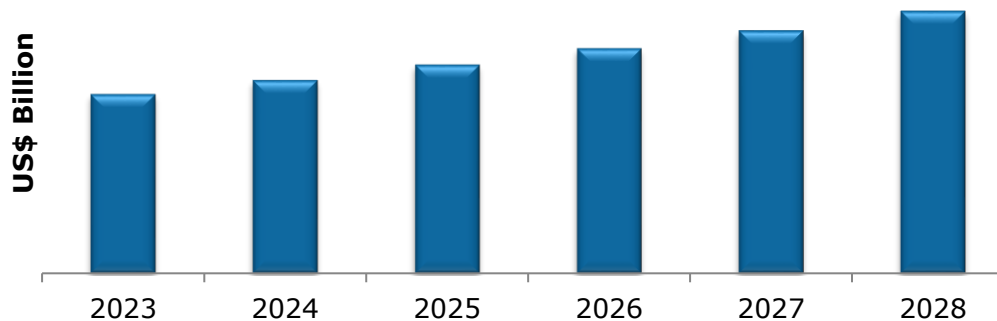
Nature	CAGR (2023-2028)
Colored	xx%
Colorless	xx%

Lab Grown Diamond Market: Application Analysis

Global Lab Grown Diamond Jewelry Market by Value



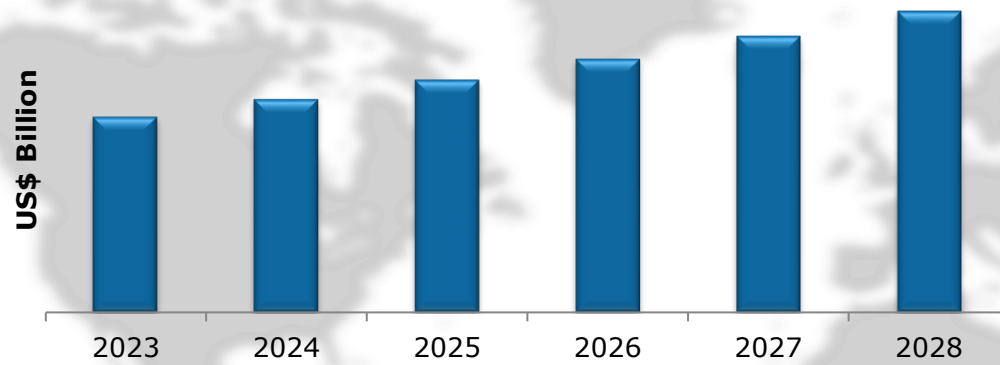
Global Industrial Lab Grown Diamond Market by Value



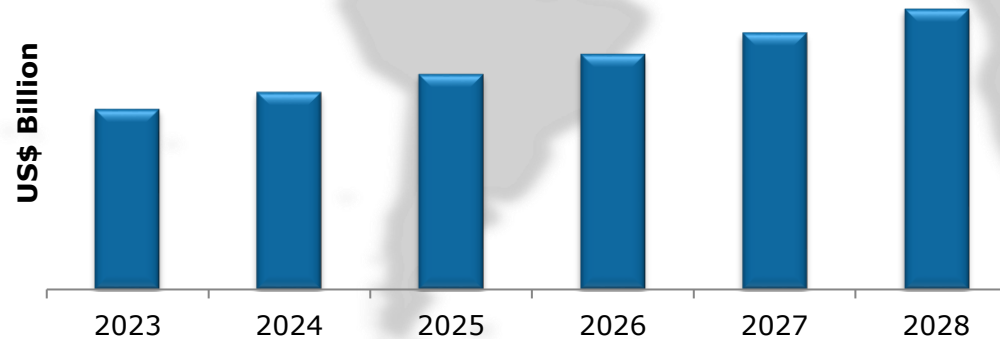
Application	CAGR (2023-2028)
Jewelry	xx%
Industrial	xx%

Lab Grown Diamond Market: Regional Analysis

North America Lab Grown Diamond Market by Value



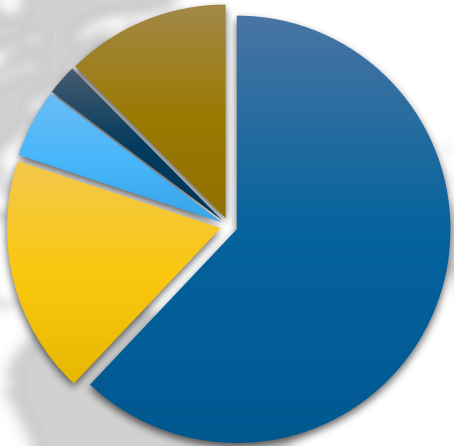
Asia Pacific Lab Grown Diamond Market by Value



Region	CAGR (2023-2028)
North America	xx%
Europe	xx%
Asia Pacific	xx%
Middle East and Africa	xx%
Latin America	xx%

Asia Pacific Lab Grown Diamond Market: An Analysis

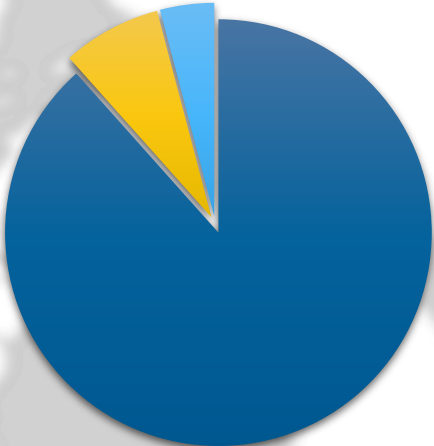
Asia Pacific Lab Grown Diamond Market by Region; 2022



Region	Share (2022)	CAGR (2023-2028)
China	xx%	xx%
Japan	xx%	xx%
India	xx%	xx%
South Korea	xx%	xx%
Rest of Asia Pacific	xx%	xx%

North America Lab Grown Diamond Market: An Analysis

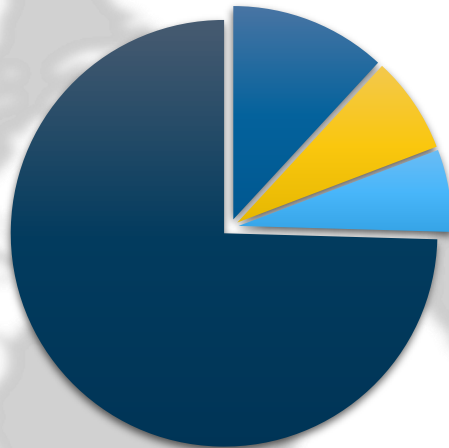
North America Lab Grown Diamond Market by Region; 2022



Region	Share (2022)	CAGR (2023-2028)
The US	xx%	xx%
Canada	xx%	xx%
Mexico	xx%	xx%

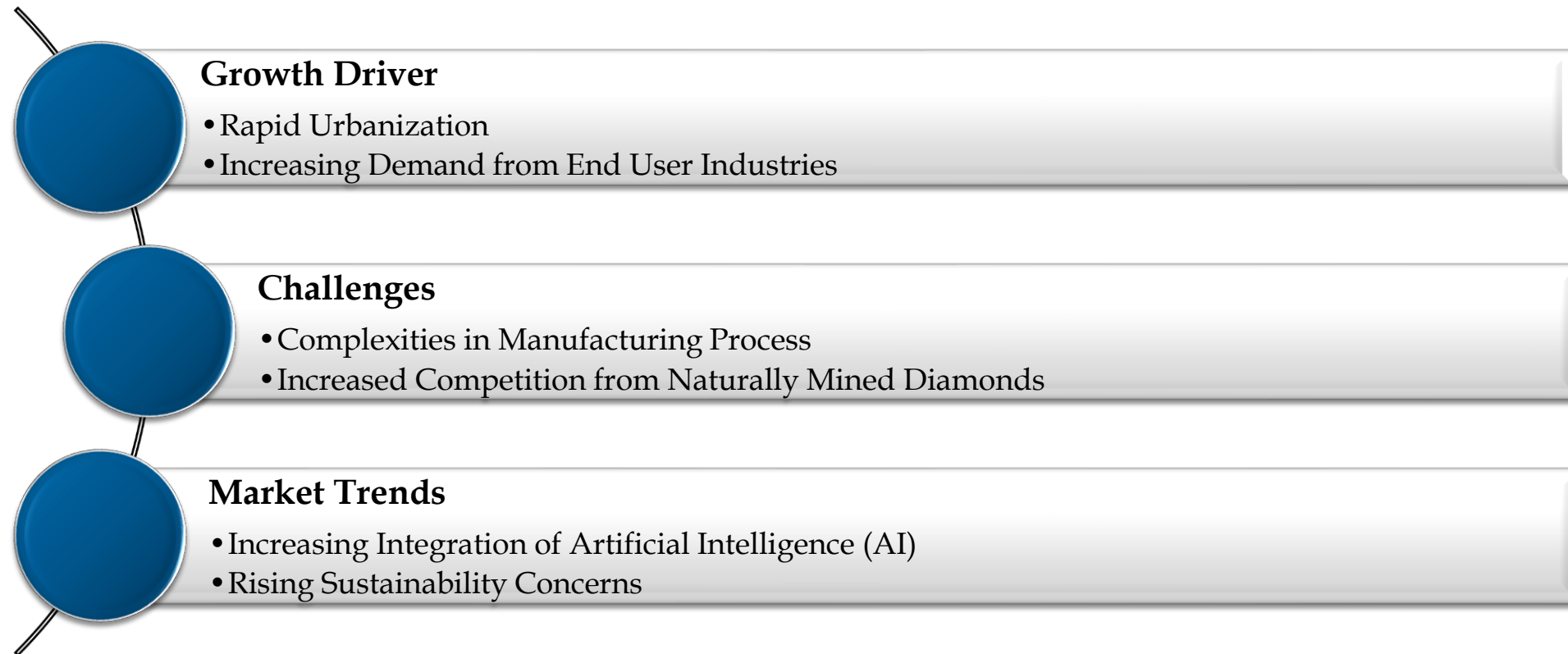
Europe Lab Grown Diamond Market: An Analysis

Europe Lab Grown Diamond Market by Region; 2022



Region	Share (2022)	CAGR (2023-2028)
UK	xx%	xx%
France	xx%	xx%
Italy	xx%	xx%
Rest of Europe	xx%	xx%

Global Lab Grown Diamond Market: Dynamics



Global Lab Grown Diamond Market: Competitive Landscape

Players Profiled

- ❑ Henan Huanghe Whirlwind Co.,Ltd.
- ❑ New Diamond Technology Company
- ❑ Swarovski International Holding AG (Swarovski AG)
- ❑ WD Lab Grown Diamonds
- ❑ De Beers Group (Element Six)
- ❑ ABD Diamonds
- ❑ Clean Origin LLC
- ❑ Eco Lab Diamonds
- ❑ Vibranium Lab Grown Diamonds
- ❑ Applied Diamond, Inc.
- ❑ HEYARU Group

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