

Synthetic Diamond Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

Market Report | 2024-09-06 | 200 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$5350.00
- Enterprise User \$8350.00

Report description:

The Global Synthetic Diamond Market was worth USD 23.9 billion in 2023 and will depict a 6.1 CAGR between 2024 and 2032, spurred by rising industrial demand and the growth of the jewelry sector. In industrial applications, synthetic diamonds are essential due to their superior hardness and durability, making them ideal for cutting, grinding, and drilling tools. Also, increased consumer interest in sustainable and ethical alternatives to natural diamonds fuels growth in the jewelry sector. With consumers valuing conflict-free options and the affordability of synthetic diamonds, both industrial and luxury markets will see substantial growth in the coming years.

The synthetic diamond industry is segmented based on type, manufacturing process, application, and region.

In 2023, rough diamonds held the dominant market share, valued at USD 13.9 billion, and will reach USD 23.8 billion by 2032.

Within the global synthetic diamond industry, rough diamonds lead the type category due to their broad applications and adaptability in industrial settings. These uncut and unpolished diamonds are prized for their ability to be processed into tools and abrasives. Their versatility allows customization for tasks like cutting, grinding, and drilling, while their lower cost compared to polished diamonds makes them highly preferred in cost-conscious industrial sectors.

In 2023, industrial applications held a 39% market share, with growth projected to continue through 2032. This market dominance is due to the unmatched hardness and durability of synthetic diamonds, essential for demanding tasks in industries like mining, construction, and manufacturing. Synthetic diamonds play a key role in producing cutting tools, grinding wheels, and drilling bits that can endure extreme conditions while maintaining high efficiency. The increasing need for reliable, high-performance, and cost-effective tools drives the growing preference for synthetic diamonds in industrial applications.

Asia Pacific garnered USD 8.3 billion in 2023 and will hold USD 14.3 billion by 2032 due to rapid industrialization, particularly in countries like China and India. These nations are major hubs for manufacturing and construction, driving high demand for synthetic diamonds in cutting, grinding, and drilling applications. Additionally, the region's expanding jewelry sector, fueled by increasing disposable incomes and growing consumer awareness of conflict-free diamonds, further boosts market growth. Asia Pacific's strong industrial and consumer presence makes it a key contributor to the synthetic diamond market.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

Chapter 2 Executive Summary

2.1 Industry 360 synopsis

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
 - 3.1.1 Key manufacturers
 - 3.1.2 Distributors
 - 3.1.3 Profit margins across the industry
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.2 Market challenges
 - 3.2.3 Market opportunity
 - 3.2.3.1 New opportunities
 - 3.2.3.2 Growth potential analysis
- 3.3 Raw material landscape
 - 3.3.1 Manufacturing trends
 - 3.3.2 Technology evolution
 - 3.3.2.1 Sustainable manufacturing
 - 3.3.2.1.1 Green practices
 - 3.3.2.1.2 Decarbonization
 - 3.3.3 Sustainability in raw materials
 - 3.3.4 Pricing trends (USD/Carat), 2021 - 2032
 - 3.3.4.1 North America
 - 3.3.4.2 Europe
 - 3.3.4.3 Asia Pacific
 - 3.3.4.4 Latin America
 - 3.3.4.5 Middle East & Africa
- 3.4 Regulations & market impact
- 3.5 Porter's analysis
- 3.6 PESTEL analysis

Chapter 4 Competitive Landscape, 2023

- 4.1 Company market share analysis
- 4.2 Competitive positioning matrix
- 4.3 Strategic outlook matrix

Chapter 5 Market Size and Forecast, By Type, 2021-2032 (USD Billion, Million Carats)

- 5.1 Key trends
- 5.2 Polished

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.3 Rough

Chapter 6 Market Size and Forecast, By Manufacturing Process, 2021-2032 (USD Billion, Million Carats)

6.1 Key trends

6.2 High-Pressure, High-Temperature (HPHT)

6.3 Chemical Vapor Deposition (CVD)

Chapter 7 Market Size and Forecast, By Application, 2021-2032 (USD Billion, Million Carats)

7.1 Key trends

7.2 Jewelry

7.3 Industrial

7.4 Electronics

7.5 Medical

7.6 Other (including optics, aerospace etc.)

Chapter 8 Market Size and Forecast, By Region, 2021-2032 (USD Billion, Million Carats)

8.1 Key trends

8.2 North America

8.2.1 U.S.

8.2.2 Canada

8.3 Europe

8.3.1 Germany

8.3.2 UK

8.3.3 France

8.3.4 Italy

8.3.5 Spain

8.3.6 Russia

8.3.7 Rest of Europe

8.4 Asia Pacific

8.4.1 China

8.4.2 India

8.4.3 Japan

8.4.4 Australia

8.4.5 South Korea

8.4.6 Malaysia

8.4.7 Indonesia

8.4.8 Rest of Asia Pacific

8.5 Latin America

8.5.1 Brazil

8.5.2 Mexico

8.5.3 Argentina

8.5.4 Rest of Latin America

8.6 MEA

8.6.1 Saudi Arabia

8.6.2 South Africa

8.6.3 UAE

8.6.4 Rest of MEA

Chapter 9 Company Profiles

9.1 Adamas One Corp.

9.2 Applied Diamond Inc

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.3 Element Six UK Ltd
- 9.4 Henan Huanghe Whirlwind Co., Ltd.
- 9.5 Iljin diamond co., ltd.
- 9.6 New Diamond Technology
- 9.7 Pure Grown Diamonds (PGD)
- 9.8 Rahi impex
- 9.9 Swarovski
- 9.10 Sumitomo Electric Industries, Ltd.
- 9.11 Zhengzhou Sino-Crystal Diamond Co., Ltd.
- 9.12 Zhongnan Diamond Co., Ltd.

□

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Synthetic Diamond Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

Market Report | 2024-09-06 | 200 pages | Global Market Insights

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$5350.00
	Enterprise User	\$8350.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-09"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com