

Global Single-Crystal Diamond Cutting Tool Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Single-Crystal Diamond Cutting Tool market size was valued at US\$ 30.7 million in 2024 and is forecast to a readjusted size of USD 38.7 million by 2031 with a CAGR of 3.4% during review period.

Single-Crystal Diamond Cutting Tool, also can be called as Mono Crystal Diamond (MCD) Cutting Tool. By grinding Mono Crystal Diamond (MCD), the hardest material on earth, to a sharp cutting edge, mirror-finish machining is possible in cutting that cannot be obtained with ordinary cemented carbide or PCD (polycrystalline diamond) bites.

Global key players of Single-Crystal Diamond Cutting Tool include Tokyo Diamond, A.L.M.T. Corp., Shanghai Nagoya Precision Tools, Ogura, Asahi Diamond Industrial, etc. The top five players hold a share about 58%. Asia-Pacific is the largest market, and has a share about 70%, followed by Europe and North America with share 16% and 10%, separately. In terms of product type, Synthetic Type is the largest segment, accounting for a share of 89%. In terms of application, Optical, Lens and Resins is the largest field with a share about 38 percent.

This report is a detailed and comprehensive analysis for global Single-Crystal Diamond Cutting Tool market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Single-Crystal Diamond Cutting Tool market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single-Crystal Diamond Cutting Tool market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single-Crystal Diamond Cutting Tool market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Single-Crystal Diamond Cutting Tool market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Single-Crystal Diamond Cutting Tool

To forecast future growth in each product and end-use market

To forecast future factors affecting the marketplace

This report profiles key players in the global Single-Crystal Diamond Cutting Tool market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Tokyo Diamond, A.L.M.T. Corp., EISEN, Ogura, Halcyon, Gold Technic, Contour Fine Tooling, Chardon Tool, Asahi Diamond Industrial, Shanghai Nagoya Precision Tools, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Single-Crystal Diamond Cutting Tool market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and

value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Synthetic Type

Natural Type

Market segment by Application

Optical, Lens and Resins

Electronics

Automotive

Medical and Aerospace

Other (e.g. Jewelry)

Major players covered

Tokyo Diamond

A.L.M.T. Corp.

EISEN

Ogura

Halcyon

Gold Technic

Contour Fine Tooling

Chardon Tool

Asahi Diamond Industrial

Shanghai Nagoya Precision Tools

Zhengzhou Diamond

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Single-Crystal Diamond Cutting Tool product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Single-Crystal Diamond Cutting Tool, with price, sales quantity, revenue, and global market share of Single-Crystal Diamond Cutting Tool from 2020 to 2025.

Chapter 3, the Single-Crystal Diamond Cutting Tool competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Single-Crystal Diamond Cutting Tool breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020

to 2025.and Single-Crystal Diamond Cutting Tool market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Single-Crystal Diamond Cutting Tool.

Chapter 14 and 15, to describe Single-Crystal Diamond Cutting Tool sales channel, distributors, customers, research findings and conclusion.

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