

# Global Polycrystalline Diamond Cutting Tool Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Polycrystalline Diamond Cutting Tool market size is expected to reach \$ 1482 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Polycrystalline Diamond Cutting Tool is short for PCD cutting tool. Polycrystalline Diamond (PCD) is a synthetic diamond product that is produced by sintering together selected diamond particles with a metal matrix, using sophisticated technology. The diamond and matrix, when sintered together under high temperatures and pressures, creates a PCD tool blank that is high in uniform hardness and is abrasive resistant in all directions. This PCD diamond layer is then bonded to a tungsten carbide substrate, which provides strength and a brazable base to permit bonding to other metals.

Global key players of polycrystalline diamond cutting tool include Sandvik Group, Sumitomo Electric, Kennametal, Ceratizit, Beijing Worldia Diamond Tools, etc. The top five players hold a share about 45%. Asia-Pacific is the largest market, and has a share about 40%, followed by Europe and North America with share 30% and 23%, separately. In terms of product type, PCD Turning Tools is the largest segment, occupied for a share of 30%. In terms of application, Automotive Industry has a share about 47 percent.

Japan, USA, EU, etc. are now the key developers of PCD cutting tools. There are a few vendors developing PCD cutting tools in China, but most of them are still stay on the low and middle end market.

This report studies the global Polycrystalline Diamond Cutting Tool production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polycrystalline Diamond Cutting Tool and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Polycrystalline Diamond Cutting Tool that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Polycrystalline Diamond Cutting Tool total production and demand, 2021-2032, (K Units)

Global Polycrystalline Diamond Cutting Tool total production value, 2021-2032, (USD Million)

Global Polycrystalline Diamond Cutting Tool production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Polycrystalline Diamond Cutting Tool consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Polycrystalline Diamond Cutting Tool domestic production, consumption, key domestic manufacturers and share

Global Polycrystalline Diamond Cutting Tool production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Polycrystalline Diamond Cutting Tool production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Polycrystalline Diamond Cutting Tool production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Polycrystalline Diamond Cutting Tool 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 Kennametal, Sandvik Group, Mapal, Wirutex, Ceratizit, Sumitomo Electric, Kyocera, Mitsubishi Materials, Union Tool, Asahi Diamond Industrial, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Polycrystalline Diamond Cutting Tool market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global Polycrystalline Diamond Cutting Tool Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Polycrystalline Diamond Cutting Tool Market, Segmentation by Type:

PCD Milling Tools

PCD Turning Tools

PCD Holemaking Tools

PCD Inserts

Others

Global Polycrystalline Diamond Cutting Tool Market, Segmentation by Application:

Automotive Industry

Machinery Industry

Aerospace Industry

Electronics and Semiconductor

Others

Companies Profiled:

Kennametal

Sandvik Group

Mapal

Wirutex

Ceratizit

Sumitomo Electric

Kyocera

Mitsubishi Materials

Union Tool

Asahi Diamond Industrial

Shinhan Diamond

EHWA

Halcyon Technology

TOP TECH Diamond Tools

Telcon Diamond

Beijing Worldia Diamond Tools

Shanghai Nagoya Precision Tools

Zhengzhou Diamond Precision Manufacturing

Shenzhen Junt

Weihai Weiyong

### **Key Questions Answered:**

1. How big is the global Polycrystalline Diamond Cutting Tool market?
2. What is the demand of the global Polycrystalline Diamond Cutting Tool market?
3. What is the year over year growth of the global Polycrystalline Diamond Cutting Tool market?
4. What is the production and production value of the global Polycrystalline Diamond Cutting Tool market?
5. Who are the key producers in the global Polycrystalline Diamond Cutting Tool market?
6. What are the growth factors driving the market demand?

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