

Global Single Crystal Germanium Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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Abstracts

Single Crystal Germanium is a germanium material in which the crystal lattice of the entire sample is continuous and unbroken to the edges of the sample, with no grain boundaries. The absence of the defects associated with grain boundaries can give monocrystals unique properties, particularly mechanical, optical and electrical, which can also be anisotropic, depending on the type of crystallographic structure.

According to APO Research, The global Single Crystal Germanium market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

China is the largest Single Crystal Germanium market with about 56% market share. Europe is follower, accounting for about 29% market share.

The key players are China Germanium, Yunnan Germanium, Umicore, Chihong Zn&Ge, AXT, PS(Jenoptik), PPM, Baoding Sanjing etc. Top 3 companies occupied about 48% market share.

In terms of production side, this report researches the Single Crystal Germanium production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Single Crystal Germanium by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Single Crystal Germanium, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Single Crystal Germanium, also provides the consumption of main regions and countries. Of the upcoming market potential for Single Crystal Germanium, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Single Crystal Germanium sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Single Crystal Germanium market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Single Crystal Germanium sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including China Germanium, Yunnan Germanium, Umicore, Chihong Zn&Ge, AXT, PS (Jenoptik), PPM and Baoding Sanjing, etc.

Single Crystal Germanium segment by Company

China Germanium

Yunnan Germanium

Umicore

Chihong Zn&Ge

AXT

PS (Jenoptik)

PPM

Baoding Sanjing

Single Crystal Germanium segment by Type

Solar Grade

Infrared Grade

Detector Grade

Single Crystal Germanium segment by Application

Semiconductor Device

Solar Battery

Infrared Imager

Others

Single Crystal Germanium segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Single Crystal Germanium market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Single Crystal Germanium and provides them with information on key market drivers,

restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Single Crystal Germanium.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Single Crystal Germanium market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Single Crystal Germanium industry.

Chapter 3: Detailed analysis of Single Crystal Germanium market competition landscape. Including Single Crystal Germanium manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Single Crystal Germanium by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Single Crystal Germanium in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

1.1 Product Definition

1.2 Global Market Growth Prospects

1.2.1 Global Single Crystal Germanium Production Value Estimates and Forecasts (2019-2030)

1.2.2 Global Single Crystal Germanium Production Capacity Estimates and Forecasts (2019-2030)

1.2.3 Global Single Crystal Germanium Production Estimates and Forecasts (2019-2030)

1.2.4 Global Single Crystal Germanium Market Average Price (2019-2030)

1.3 Assumptions and Limitations

1.4 Study Goals and Objectives

2 GLOBAL SINGLE CRYSTAL GERMANIUM MARKET DYNAMICS

2.1 Single Crystal Germanium Industry Trends

2.2 Single Crystal Germanium Industry Drivers

2.3 Single Crystal Germanium Industry Opportunities and Challenges

2.4 Single Crystal Germanium Industry Restraints

3 SINGLE CRYSTAL GERMANIUM MARKET BY MANUFACTURERS

3.1 Global Single Crystal Germanium Production Value by Manufacturers (2019-2024)

3.2 Global Single Crystal Germanium Production by Manufacturers (2019-2024)

3.3 Global Single Crystal Germanium Average Price by Manufacturers (2019-2024)

3.4 Global Single Crystal Germanium Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

3.5 Global Single Crystal Germanium Key Manufacturers Manufacturing Sites & Headquarters

3.6 Global Single Crystal Germanium Manufacturers, Product Type & Application

3.7 Global Single Crystal Germanium Manufacturers Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global Single Crystal Germanium Market CR5 and HHI

3.8.2 Global Top 5 and 10 Single Crystal Germanium Players Market Share by Production Value in 2023

3.8.3 2023 Single Crystal Germanium Tier 1, Tier 2, and Tier

4 SINGLE CRYSTAL GERMANIUM MARKET BY TYPE

4.1 Single Crystal Germanium Type Introduction

- 4.1.1 Solar Grade
- 4.1.2 Infrared Grade
- 4.1.3 Detector Grade

4.2 Global Single Crystal Germanium Production by Type

- 4.2.1 Global Single Crystal Germanium Production by Type (2019 VS 2023 VS 2030)
- 4.2.2 Global Single Crystal Germanium Production by Type (2019-2030)
- 4.2.3 Global Single Crystal Germanium Production Market Share by Type (2019-2030)

4.3 Global Single Crystal Germanium Production Value by Type

- 4.3.1 Global Single Crystal Germanium Production Value by Type (2019 VS 2023 VS 2030)
- 4.3.2 Global Single Crystal Germanium Production Value by Type (2019-2030)
- 4.3.3 Global Single Crystal Germanium Production Value Market Share by Type (2019-2030)

5 SINGLE CRYSTAL GERMANIUM MARKET BY APPLICATION

5.1 Single Crystal Germanium Application Introduction

- 5.1.1 Semiconductor Device
- 5.1.2 Solar Battery
- 5.1.3 Infrared Imager
- 5.1.4 Others

5.2 Global Single Crystal Germanium Production by Application

- 5.2.1 Global Single Crystal Germanium Production by Application (2019 VS 2023 VS 2030)
- 5.2.2 Global Single Crystal Germanium Production by Application (2019-2030)
- 5.2.3 Global Single Crystal Germanium Production Market Share by Application (2019-2030)

5.3 Global Single Crystal Germanium Production Value by Application

- 5.3.1 Global Single Crystal Germanium Production Value by Application (2019 VS 2023 VS 2030)
- 5.3.2 Global Single Crystal Germanium Production Value by Application (2019-2030)
- 5.3.3 Global Single Crystal Germanium Production Value Market Share by Application (2019-2030)

6 COMPANY PROFILES

6.1 China Germanium

6.1.1 China Germanium Company Information

6.1.2 China Germanium Business Overview

6.1.3 China Germanium Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.1.4 China Germanium Single Crystal Germanium Product Portfolio

6.1.5 China Germanium Recent Developments

6.2 Yunnan Germanium

6.2.1 Yunnan Germanium Company Information

6.2.2 Yunnan Germanium Business Overview

6.2.3 Yunnan Germanium Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.2.4 Yunnan Germanium Single Crystal Germanium Product Portfolio

6.2.5 Yunnan Germanium Recent Developments

6.3 Umicore

6.3.1 Umicore Company Information

6.3.2 Umicore Business Overview

6.3.3 Umicore Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.3.4 Umicore Single Crystal Germanium Product Portfolio

6.3.5 Umicore Recent Developments

6.4 Chihong Zn&Ge

6.4.1 Chihong Zn&Ge Company Information

6.4.2 Chihong Zn&Ge Business Overview

6.4.3 Chihong Zn&Ge Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.4.4 Chihong Zn&Ge Single Crystal Germanium Product Portfolio

6.4.5 Chihong Zn&Ge Recent Developments

6.5 AXT

6.5.1 AXT Company Information

6.5.2 AXT Business Overview

6.5.3 AXT Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.5.4 AXT Single Crystal Germanium Product Portfolio

6.5.5 AXT Recent Developments

6.6 PS (Jenoptik)

6.6.1 PS (Jenoptik) Company Information

6.6.2 PS (Jenoptik) Business Overview

6.6.3 PS (Jenoptik) Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.6.4 PS (Jenoptik) Single Crystal Germanium Product Portfolio

6.6.5 PS (Jenoptik) Recent Developments

6.7 PPM

6.7.1 PPM Company Information

6.7.2 PPM Business Overview

6.7.3 PPM Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.7.4 PPM Single Crystal Germanium Product Portfolio

6.7.5 PPM Recent Developments

6.8 Baoding Sanjing

6.8.1 Baoding Sanjing Company Information

6.8.2 Baoding Sanjing Business Overview

6.8.3 Baoding Sanjing Single Crystal Germanium Production, Value and Gross Margin (2019-2024)

6.8.4 Baoding Sanjing Single Crystal Germanium Product Portfolio

6.8.5 Baoding Sanjing Recent Developments

7 GLOBAL SINGLE CRYSTAL GERMANIUM PRODUCTION BY REGION

7.1 Global Single Crystal Germanium Production by Region: 2019 VS 2023 VS 2030

7.2 Global Single Crystal Germanium Production by Region (2019-2030)

7.2.1 Global Single Crystal Germanium Production by Region: 2019-2024

7.2.2 Global Single Crystal Germanium Production by Region (2025-2030)

7.3 Global Single Crystal Germanium Production by Region: 2019 VS 2023 VS 2030

7.4 Global Single Crystal Germanium Production Value by Region (2019-2030)

7.4.1 Global Single Crystal Germanium Production Value by Region: 2019-2024

7.4.2 Global Single Crystal Germanium Production Value by Region (2025-2030)

7.5 Global Single Crystal Germanium Market Price Analysis by Region (2019-2024)

7.6 Regional Production Value Trends (2019-2030)

7.6.1 North America Single Crystal Germanium Production Value (2019-2030)

7.6.2 Europe Single Crystal Germanium Production Value (2019-2030)

7.6.3 Asia-Pacific Single Crystal Germanium Production Value (2019-2030)

7.6.4 Latin America Single Crystal Germanium Production Value (2019-2030)

7.6.5 Middle East & Africa Single Crystal Germanium Production Value (2019-2030)

8 GLOBAL SINGLE CRYSTAL GERMANIUM CONSUMPTION BY REGION

- 8.1 Global Single Crystal Germanium Consumption by Region: 2019 VS 2023 VS 2030
- 8.2 Global Single Crystal Germanium Consumption by Region (2019-2030)
 - 8.2.1 Global Single Crystal Germanium Consumption by Region (2019-2024)
 - 8.2.2 Global Single Crystal Germanium Consumption by Region (2025-2030)
- 8.3 North America
 - 8.3.1 North America Single Crystal Germanium Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 8.3.2 North America Single Crystal Germanium Consumption by Country (2019-2030)
 - 8.3.3 U.S.
 - 8.3.4 Canada
- 8.4 Europe
 - 8.4.1 Europe Single Crystal Germanium Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 8.4.2 Europe Single Crystal Germanium Consumption by Country (2019-2030)
 - 8.4.3 Germany
 - 8.4.4 France
 - 8.4.5 U.K.
 - 8.4.6 Italy
 - 8.4.7 Netherlands
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Single Crystal Germanium Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 8.5.2 Asia Pacific Single Crystal Germanium Consumption by Country (2019-2030)
 - 8.5.3 China
 - 8.5.4 Japan
 - 8.5.5 South Korea
 - 8.5.6 Southeast Asia
 - 8.5.7 India
 - 8.5.8 Australia
- 8.6 LAMEA
 - 8.6.1 LAMEA Single Crystal Germanium Consumption Growth Rate by Country: 2019 VS 2023 VS 2030
 - 8.6.2 LAMEA Single Crystal Germanium Consumption by Country (2019-2030)
 - 8.6.3 Mexico
 - 8.6.4 Brazil
 - 8.6.5 Turkey
 - 8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 9.1 Single Crystal Germanium Value Chain Analysis
 - 9.1.1 Single Crystal Germanium Key Raw Materials
 - 9.1.2 Raw Materials Key Suppliers
 - 9.1.3 Manufacturing Cost Structure
 - 9.1.4 Single Crystal Germanium Production Mode & Process
- 9.2 Single Crystal Germanium Sales Channels Analysis
 - 9.2.1 Direct Comparison with Distribution Share
 - 9.2.2 Single Crystal Germanium Distributors
 - 9.2.3 Single Crystal Germanium Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

- 11.1 Reasons for Doing This Study
- 11.2 Research Methodology
- 11.3 Research Process
- 11.4 Authors List of This Report
- 11.5 Data Source
 - 11.5.1 Secondary Sources
 - 11.5.2 Primary Sources
- 11.6 Disclaimer

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