

Global Germanium Market Insights, Forecast to 2026

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Abstracts

Germanium (Ge), a chemical element between silicon and tin in Group 14 (IVa) of the periodic table, a silvery-gray metalloid, intermediate in properties between the metals and the nonmetals. Germanium did not become economically significant until after 1945, when its properties as a semiconductor were recognized as being of value in electronics. Many other substances now also are used as semiconductors, but germanium remains of primary importance in the manufacture of transistors and of components for devices such as rectifiers and photocells.

Pure germanium is a hard, lustrous, gray-white, brittle metalloid. It has a diamond like crystalline structure and it is similar in chemical and physical properties to silicon. Germanium is stable in air and water, and is unaffected by alkalis and acids, except nitric acid.

Currently, germanium is most commonly produced from sphalerite zinc ores but is also known to be extracted from fly ash coal (produced from coal power plants) and some copper ores. There are also companies producing germanium from germanium scrap metal. Germanium ores minerals are distributed in China, Russia and USA etc. China has the largest reservation. So, China is the largest production region. In 2017, China produced about 104.2 tonne, accounting for 65.23% of global total production.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Germanium 3900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the

supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Germanium 3900 industry.

Based on our recent survey, we have several different scenarios about the Germanium 3900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 247.5 million in 2019. The market size of Germanium 3900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026. With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Germanium market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Germanium market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Germanium market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Sales and Pricing Analyses

Readers are provided with deeper sales analysis and pricing analysis for the global Germanium market. As part of sales analysis, the report offers accurate statistics and figures for sales and revenue by region, by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for the price by players and price by region for the period 2015-2020 and price by each type segment for the period 2015-2020.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Germanium market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of sales for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Germanium market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Germanium market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Germanium market.

The following manufacturers are covered in this report:

Yunnan Germanium

Umicore

Yunnan Chihong Zn & Ge

Teck

Zhonghao Technology

AXT Inc

JSC Germanium

Shenzhen Zhongjin Lingnan

PPM Pure Metals

Sihuan Zinc & Germanium

Indium Corporation

GEAPP

Photonic Sense

Germanium Breakdown Data by Type

Germanium Tetrachloride

High-purity GeO₂

Germanium Ingot

Other

Germanium Breakdown Data by Application

IR Optics

Fiber Optics

Polyethylene Terephthalate (PET)

Electronic and Solar

Other

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