

Global Germanium Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GE0597D7FB31EN.html>

Date: February 2023

Pages: 105

Price: US\$ 4,480.00 (Single User License)

ID: GE0597D7FB31EN

Abstracts

The global Germanium market size is expected to reach \$ 410.9 million by 2029, rising at a market growth of -1.2% CAGR during the forecast period (2023-2029).

Global key players of germanium include Yunnan Germanium, Yunnan Chihong Zn & Ge, Umicore, Teck, JSC Germanium, etc. The top five players hold a share about 76%. China is the largest producer, has a share about 63%, followed by Europe and United States, with share 14% and 8%, respectively. The largest market is Asia-Pacific, with a share about 71%, followed by North America and Europe, with share 19% and 10%, separately.

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.

This report studies the global Germanium production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Germanium, and provides market size (US\$ million) and Year-over-Year (YoY) Growth,

considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Germanium that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Germanium total production and demand, 2018-2029, (MT)

Global Germanium total production value, 2018-2029, (USD Million)

Global Germanium production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Germanium consumption by region & country, CAGR, 2018-2029 & (MT)

U.S. VS China: Germanium domestic production, consumption, key domestic manufacturers and share

Global Germanium production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MT)

Global Germanium production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Germanium production by Application production, value, CAGR, 2018-2029, (USD Million) & (MT)

This reports profiles key players in the global Germanium 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 Yunnan Germanium, Umicore, Yunnan Chihong Zn & Ge, Teck, Zhonghao Technology, AXT Inc, JSC Germanium, Shenzhen Zhongjin Lingnan and PPM Pure Metals, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Germanium market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Germanium Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Germanium Market, Segmentation by Type

Germanium Tetrachloride

High-Purity GeO₂

Germanium Ingot

Others

Global Germanium Market, Segmentation by Application

IR Optics

Fiber Optics

Polyethylene Terephthalate (PET)

Electronic and Solar

Others

Companies Profiled:

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

Key Questions Answered

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

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