

2018-2023 Global Germanium Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Germanium market for 2018-2023.

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.

Over the next five years, LPI(LP Information) projects that Germanium will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Germanium market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Germanium Tetrachloride

High-purity GeO₂

Germanium Ingot

Other

Segmentation by application:

IR Optics

Fiber Optics

Polyethylene Terephthalate (PET)

Electronic and Solar

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers 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

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market

as a whole. It also analyzes key emerging trends and their impact on present and future development.

RESEARCH OBJECTIVES

To study and analyze the global Germanium consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Germanium market by identifying its various subsegments.

Focuses on the key global Germanium manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Germanium with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Germanium submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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