

Global Indium Phosphide Wafer Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G61F6D883855EN.html>

Date: July 2023

Pages: 111

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

ID: G61F6D883855EN

Abstracts

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

Indium phosphide (InP) wafer is a type of substrate made of semiconductor material, usually in a circular shape with a diameter of 4 inches (about 101.6 millimeters), and a thickness of either 525 microns or 625 microns. InP wafers are widely used in the semiconductor industry to manufacture optoelectronic devices, microwave devices, and other high-frequency applications such as high-speed digital circuits, optical communications, lasers, and solar cells. Because InP has a high carrier mobility and a low density of induced subsurface defects, it has become one of the preferred materials for manufacturing high-speed, high-power, and high-sensitivity optoelectronic devices. The preparation process of InP wafers requires strict process control and testing to ensure that the surface and interior quality of the wafers meet the requirements, ensuring the reliability, stability, and performance of the devices.

This report studies the global Indium Phosphide Wafer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Indium Phosphide Wafer, 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 Indium Phosphide Wafer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Indium Phosphide Wafer total production and demand, 2018-2029, (K Units)

Global Indium Phosphide Wafer total production value, 2018-2029, (USD Million)

Global Indium Phosphide Wafer production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Indium Phosphide Wafer consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Indium Phosphide Wafer domestic production, consumption, key domestic manufacturers and share

Global Indium Phosphide Wafer production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Indium Phosphide Wafer production by Diameter, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Indium Phosphide Wafer production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Indium Phosphide Wafer 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 AXT, Inc., ALB Materials Inc, Wafer World Inc., Logitech, Semiconductor Wafer, Inc., American Elements, InPACT, Gelest and Xiamen Powerway Advanced Material Co., Ltd, 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 Indium Phosphide Wafer 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 Diameter, 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 Indium Phosphide Wafer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Indium Phosphide Wafer Market, Segmentation by Diameter

2 Inches

3 Inches

4 Inches

6 Inches

Global Indium Phosphide Wafer Market, Segmentation by Application

Communication

Aerospace

Industrial

Military

Others

Companies Profiled:

AXT, Inc.

ALB Materials Inc

Wafer World Inc.

Logitech

Semiconductor Wafer, Inc.

American Elements

InPACT

Gelest

Xiamen Powerway Advanced Material Co., Ltd

Sumitomo Electric Co., Ltd

Western Minmetals (SC) Corporation

Key Questions Answered

1. How big is the global Indium Phosphide Wafer market?
2. What is the demand of the global Indium Phosphide Wafer market?

3. What is the year over year growth of the global Indium Phosphide Wafer market?
4. What is the production and production value of the global Indium Phosphide Wafer market?
5. Who are the key producers in the global Indium Phosphide Wafer market?
6. What are the growth factors driving the market demand?

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