

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Inorganic Scintillators Market 2018, Forecast to 2023

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## Abstracts

Inorganic Scintillators are crystals grown in high temperature furnaces and are made of Alkali Halides (i.e., NaI, CsI) or Oxides (i.e., BGO), etc. They have scintillation properties by virtue of their crystalline structure. This structure creates the energy bands between which electrons can jump up to higher energy levels by excitation through ionizing radiation or down to lower energy levels by de-excitation through the emission of (visible) photons. The result is known as the scintillation effect.

Some crystals need activators to enable scintillation emission in the visible part of the spectrum. An example of such an activator is Thallium (Tl), which is used in the best known and most frequently used Inorganic Scintillator: NaI(Tl).

Scope of the Report:

This report focuses on the Inorganic Scintillators in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The market volume of inorganic scintillators is related to downstream demand and global economy. Although there will always be some uncertainties in the global economy in the following years, people's requirement of health and safety is increased, it is surely forecasted that the market of inorganic scintillators is still promising.

The global inorganic scintillators industry markets mainly concentrate in United States, Europe, Japan and China. And the market is supplied by a combination of large multinational firms and smaller local companies. The leading global firms include Saint-Gobain Crystals, Hamamatsu, Photonics, Hitachi Metals, Toshiba Materials, Nuvia, Radiation Monitoring Devices, EPIC Crystal and others. These companies tend to compete against each other globally to supply most of the largest inorganic scintillators

markets. In many markets, these leading global firms also face competition from local players.

The global market of inorganic scintillators has mainly been driven by its downstream industry, the demand of inorganic scintillators in radiation detection, medical imaging and other field is larger and larger owing to the increased requirement of health and safety. Economic investment and national policies are also the main growth catalysts for the market.

The worldwide market for Inorganic Scintillators is expected to grow at a CAGR of roughly 5.3% over the next five years, will reach 310 million US\$ in 2023, from 230 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Saint-Gobain Crystals

Hamamatsu Photonics

Hitachi Metals

Toshiba Materials

Nuvia

Radiation Monitoring Devices

EPIC Crystal

Beijing Opto-Electronics

Rexon Components

Crytur

DJ-Laser

Beijing Scitlion Technology

Hefei Crystal & Photoelectric

Zecotek Photonics

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Alkali-halide Crystals

Oxyde-based Crystals

Other

Market Segment by Applications, can be divided into

Radiation Detection

Medical Imaging

Others

There are 15 Chapters to deeply display the global Inorganic Scintillators market.

Chapter 1, to describe Inorganic Scintillators Introduction, product scope, market overview, market opportunities, market risk, market driving force;

*Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Inorganic Scintillators Ma...*

Chapter 2, to analyze the top manufacturers of Inorganic Scintillators, with sales, revenue, and price of Inorganic Scintillators, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Inorganic Scintillators, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Inorganic Scintillators market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Inorganic Scintillators sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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