

Scintillator Market - Forecasts from 2017 to 2022

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Abstracts

Global Scintillator market is projected to expand at a CAGR of 4.94% to reach a total market size of US\$647.292 million by 2022, from US\$508.633 million in 2017. The scintillator is a luminescent material which absorbs energy from the incoming particle such as an electron, alpha particles or high energy photons and converts it into a large number of visible photons. The scintillator is used as a safety measure as it helps in detecting harmful industrial radiations. Advancement in medical technologies has led to an increasing adoption of radiological solutions, thereby boosting the scintillator market growth. Increasing investments towards radiation monitoring in homeland security will also positively impact the market growth. However, increasing demand for renewable energy will impede the market growth over the forecast period.

By End-User Industry

Global scintillator market is segmented by end-user industry into healthcare, energy and power, manufacturing, and defense. Defense sector is projected to grow at the highest CAGR during the forecast period due to increasing threat of terrorist attacks, rising security and defense expenditure, and favourable government initiatives towards improving homeland security. Healthcare segment will dominate the global scintillator market throughout the forecast period due to growing prevalence of diseases like cancer, high investments in R&D, and mounting preference for effective radiation protection in medical facilities.

By Geography

Geographically, North America will dominate the global scintillator market over the forecast period due to rising use of radiation therapy to cure cancer, increasing number of nuclear power plants in the U.S., and growing homeland security concerns in the region. APAC region is projected to witness the fastest regional market growth during

the forecast period with China as the major market and the largest manufacturer of scintillator in the region. This growth is attributed to factors such as growing nuclear power industry in China and Japan, and rising number of nuclear power plants in India along with the installations of nuclear imaging systems in the country.

Competitive Insights

Prominent key market players in Scintillator market include Saint-Gobain, RMD, Hitachi, Hamamatsu Photonics, Siemens, and Mirion Technologies among others. The global Scintillator market is highly fragmented owing to the presence of several local and regional vendors. The leading vendors are engaged in M&A and integrated offerings at cost-effective prices which raise the market competition.

Segmentation

In this report, Scintillator market is segmented by material type, end product, end-user industry, and geography as below:

By Material Type

- Organic
- Inorganic

By End Product

- Pocket-Size Instruments
- Hand-Held Instruments
- Fixed or Installed Systems

By End-User Industry

- Healthcare
- Energy and Power
- Manufacturing
- Defense
- Others

By Geography

Americas
North America
U.S.
Canada
Others
South America
Brazil
Others
Europe Middle East and Africa
Europe
UK
Germany
France
Others
Middle East and Africa
Asia Pacific
Japan
China
India
Others

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