

Inorganic Scintillators Market Analysis By Product (Alkali Halides, Oxide Compounds, Rare Earth Metals) By Material (Sodium Iodide, Cesium Iodide, LOLYO) By End Use (Healthcare, Homeland Security & Defense, Nuclear Power Plants,) And Segment Forecasts, 2014 - 2025

<https://marketpublishers.com/r/I61A369B07EEN.html>

Date: November 2016

Pages: 85

Price: US\$ 5,950.00 (Single User License)

ID: I61A369B07EEN

Abstracts

The global inorganic scintillators market is expected to reach USD 491.0 million by 2025, according to a new report by Grand View Research, Inc. Increasing market penetration of scintillating materials in medical imaging devices is expected to result in propelling market expansion over the forecast period. Cesium iodide and sodium iodide thin film imaging plates have witnessed a surge in demand over the past few years on account of its low cost and superior performance as compared to phosphorus plates.

The increasing trend of using low-cost scintillating materials for the purpose of radiation detection has been a critical factor for growth. The demand for inorganic scintillating materials was USD 324.0 million in 2015. Growing demand for domestic security materials has resulted in pushing the demand for inorganic scintillators market.

The medical imaging sector has also witnessed an increasing trend of using radiation detection materials owing to their superior properties. Emerging economies including India and China are improving their security systems including stations, ports, and airports by installing radiation detection systems.

Further key findings from the report suggest:

Oxide compounds product segment is expected to witness the fastest revenue growth

at a CAGR of 5.2% from 2016 to 2024. Companies such as Saint-Gobain, Hilger Crystals, and Lambda Photonics are some of the key players investing heavily in oxide based scintillating materials.

Lutetium Oxyorthosilicate & Lutetium-Yttrium Oxyorthosilicate material segment is expected to witness the fastest revenue growth at a CAGR of 6.0% from 2016 to 2024. Its superior properties including excellent energy resolution high light output and density have resulted increasing its market penetration over the past few years.

Healthcare, security and defense and nuclear power are some of the crucial sectors in the inorganic scintillators market. Increasing need for sophisticated medical imaging equipment and cancer treatment devices has resulted in an overall expansion of the industry.

Asia Pacific market was valued at USD 60.4 million in 2015 and is expected to witness significant expansions over the forecast period on account of increasing investment in producing radiation detection materials over the past few years. North America is a key market for scintillating materials owing to the increasing investments in the nuclear power and domestic security sectors.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope & Assumptions
- 1.3. List of Data Sources
- 1.4. List of Abbreviations

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Snapshot

CHAPTER 3. INORGANIC SCINTILLATORS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Segmentation & Scope
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Value Chain Analysis
- 3.4. Raw Material Outlook
- 3.5. Technology Overview
- 3.6. Regulatory Framework
- 3.7. Market Dynamics
 - 3.7.1. Market Driver Analysis
 - 3.7.2. Market Restraints Analysis
- 3.8. Porter's Analysis
- 3.9. PESTLE Analysis

CHAPTER 4. INORGANIC SCINTILLATORS MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1. Global Inorganic Scintillators market share by property, 2015 & 2025
- 4.2. Alkali Halides
 - 4.2.1. Market estimates and forecasts, 2014 - 2025
 - 4.2.2. Market estimates and forecasts, by region, 2014 - 2025
- 4.3. Oxide Compounds
 - 4.3.1. Market estimates and forecasts, 2014 - 2025
 - 4.3.2. Market estimates and forecasts, by region, 2014 - 2025
- 4.4. Rare Earth Metals

- 4.4.1. Market estimates and forecasts, 2014 - 2025
- 4.4.2. Market estimates and forecasts, by region, 2014 - 2025

CHAPTER 5. INORGANIC SCINTILLATORS MARKET: MATERIAL ESTIMATES & TREND ANALYSIS

- 5.1. Global Inorganic Scintillators market share by property, 2015 & 2025
- 5.2. Sodium Iodide
 - 5.2.1. Market estimates and forecasts, 2014 - 2025
 - 5.2.2. Market estimates and forecasts, by region, 2014 - 2025
- 5.3. Cesium Iodide
 - 5.3.1. Market estimates and forecasts, 2014 - 2025
 - 5.3.2. Market estimates and forecasts, by region, 2014 - 2025
- 5.4. Lutetium Oxyorthosilicate & Lutetium–Yttrium Oxyorthosilicate
 - 5.4.1. Market estimates and forecasts, 2014 - 2025
 - 5.4.2. Market estimates and forecasts, by region, 2014 - 2025
- 5.5. Others
 - 5.5.1. Market estimates and forecasts, 2014 - 2025
 - 5.5.2. Market estimates and forecasts, by region, 2014 - 2025

CHAPTER 6. INORGANIC SCINTILLATORS MARKET: END USE ESTIMATES & TREND ANALYSIS

- 6.1. Healthcare
 - 6.1.1. Market estimates and forecasts, 2014 - 2025
 - 6.1.2. Market estimates and forecasts, by region, 2014 - 2025
- 6.2. Homeland Security & Defense
 - 6.2.1. Market estimates and forecasts, 2014 - 2025
 - 6.2.2. Market estimates and forecasts, by region, 2014 - 2025
- 6.3. Nuclear Power Plants
 - 6.3.1. Market estimates and forecasts, 2014 - 2025
 - 6.3.2. Market estimates and forecasts, by region, 2014 - 2025
- 6.4. Industrial Materials
 - 6.4.1. Market estimates and forecasts, 2014 - 2025
 - 6.4.2. Market estimates and forecasts, by region, 2014 - 2025

CHAPTER 7. INORGANIC SCINTILLATORS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

7.1. Global Inorganic Scintillators market share by region, 2015 & 2025

7.2. North America

7.2.1. Market estimates and forecast, 2014 - 2025

7.2.2. Market estimates and forecast, by product, 2014 - 2025

7.2.3. Market estimates and forecast, by material, 2014 - 2025

7.2.4. Market estimates and forecast, by end use, 2014 - 2025

7.2.5. U.S.

7.2.5.1. Market estimates and forecast, 2014 - 2025

7.2.5.2. Market estimates and forecast, by product, 2014 - 2025

7.2.5.3. Market estimates and forecast, by material, 2014 - 2025

7.2.5.4. Market estimates and forecast, by end use, 2014 - 2025

7.3. Europe

7.3.1. Market estimates and forecast, 2014 - 2025

7.3.2. Market estimates and forecast, by product, 2014 - 2025

7.3.3. Market estimates and forecast, by material, 2014 - 2025

7.3.4. Market estimates and forecast, by end use, 2014 - 2025

7.3.5. Germany

7.3.5.1. Market estimates and forecast, 2014 - 2025

7.3.5.2. Market estimates and forecast, by product, 2014 - 2025

7.3.5.3. Market estimates and forecast, by material, 2014 - 2025

7.3.5.4. Market estimates and forecast, by end use, 2014 - 2025

7.3.6. France

7.3.6.1. Market estimates and forecast, 2014 - 2025

7.3.6.2. Market estimates and forecast, by product, 2014 - 2025

7.3.6.3. Market estimates and forecast, by material, 2014 - 2025

7.3.6.4. Market estimates and forecast, by end use, 2014 - 2025

7.4. Asia Pacific

7.4.1. Market estimates and forecast, 2014 - 2025

7.4.2. Market estimates and forecast, by product, 2014 - 2025

7.4.3. Market estimates and forecast, by material, 2014 - 2025

7.4.4. Market estimates and forecast, by end use, 2014 - 2025

7.4.5. China

7.4.5.1. Market estimates and forecast, 2014 - 2025

7.4.5.2. Market estimates and forecast, by product, 2014 - 2025

7.4.5.3. Market estimates and forecast, by material, 2014 - 2025

7.4.5.4. Market estimates and forecast, by end use, 2014 - 2025

7.4.6. India

7.4.6.1. Market estimates and forecast, 2014 - 2025

7.4.6.2. Market estimates and forecast, by product, 2014 - 2025

7.4.6.3. Market estimates and forecast, by material, 2014 - 2025

7.4.6.4. Market estimates and forecast, by end use, 2014 - 2025

7.5. Rest of the World

7.5.1. Market estimates and forecast, 2014 - 2025

7.5.2. Market estimates and forecast, by product, 2014 - 2025

7.5.3. Market estimates and forecast, by material, 2014 - 2025

7.5.4. Market estimates and forecast, by end use, 2014 - 2025

7.5.5. Brazil

7.5.5.1. Market estimates and forecast, 2014 - 2025

7.5.5.2. Market estimates and forecast, by product, 2014 - 2025

7.5.5.3. Market estimates and forecast, by material, 2014 - 2025

7.5.5.4. Market estimates and forecast, by end use, 2014 - 2025

CHAPTER 8. COMPETITIVE LANDSCAPE

8.1. Company market share analysis, 2015

8.2. Vendor landscape

8.3. Competitive environment

8.4. Company market positioning

8.5. Strategy framework

CHAPTER 9. COMPANY PROFILES

9.1. Dynasil Corporation of America

9.1.1. Company Overview

9.1.2. Financial Performance

9.1.3. Product Benchmarking

9.1.4. Strategic Initiatives

9.2. Hamamatsu Photonics K.K.

9.2.1. Company Overview

9.2.2. Product Benchmarking

9.2.3. Strategic Initiatives

9.3. Hitachi Metals Group

9.3.1. Company Overview

9.3.2. Product Benchmarking

9.3.3. Strategic Initiatives

9.4. Detec

9.4.1. Company Overview

9.4.2. Product Benchmarking

- 9.4.3. Strategic Initiatives
- 9.5. Rexon Components, Inc.
 - 9.5.1. Company Overview
 - 9.5.2. Financial Performance
 - 9.5.3. Product Benchmarking
 - 9.5.4. Strategic Initiatives
- 9.6. Saint-Gobain S.A.
 - 9.6.1. Company Overview
 - 9.6.2. Financial Performance
 - 9.6.3. Product Benchmarking
 - 9.6.4. Strategic Initiatives
- 9.7. Scintacor
 - 9.7.1. Company Overview
 - 9.7.2. Product Benchmarking
 - 9.7.3. Strategic Initiatives
- 9.8. Toshiba Materials Co., Ltd.
 - 9.8.1. Company Overview
 - 9.8.2. Financial Performance
 - 9.8.3. Product Benchmarking
 - 9.8.4. Strategic Initiatives
- 9.9. EPIC Crystal Co., Ltd.
 - 9.9.1. Company Overview
 - 9.9.2. Financial Performance
 - 9.9.3. Product Benchmarking
 - 9.9.4. Strategic Initiatives
- 9.10. Amcrys
 - 9.10.1. Company Overview
 - 9.10.2. Financial Performance
 - 9.10.3. Product Benchmarking
 - 9.10.4. Strategic Initiatives
- 9.11. Shanghai Siccas High Technology Corporation
 - 9.11.1. Company Overview
 - 9.11.2. Product Benchmarking
 - 9.11.3. Strategic Initiatives
- 9.12. Alpha Spectra, Inc.
 - 9.12.1. Company Overview
 - 9.12.2. Financial Performance
 - 9.12.3. Product Benchmarking
 - 9.12.4. Strategic Initiatives

9.13. Nihon Kessho Kogaku Co., Ltd.

9.13.1. Company Overview

9.13.2. Financial Performance

9.13.3. Product Benchmarking

9.13.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

1. Global inorganic scintillators market revenue, 2014 - 2025 (USD Million)
2. Global Alkali Halides Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
3. Global Oxide Compounds Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
4. Global Rare Earth Metals Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
5. Global inorganic scintillators market revenue, 2014 - 2025 (USD Million)
6. Global Sodium Iodide Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
7. Global Caesium Iodide Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
8. Global Lutetium Oxyorthosilicate & Lutetium-Yttrium Oxyorthosilicate Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
9. Global Bismuth Germinate Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
10. Global Others Inorganic Scintillators market revenue, 2014 - 2025 (USD Million)
11. Global inorganic scintillators market revenue in healthcare end-use, 2014 - 2025 (USD Million)
12. Global inorganic scintillators market estimates and forecasts in homeland security and defense, 2014 - 2025 (USD Million)
13. Global inorganic scintillators market revenue nuclear power plants, 2014 - 2025 (USD Million)
14. Global inorganic scintillators market revenue in industrial applications, 2014 - 2025 (USD Million)
15. Global inorganic scintillators market revenue in others, 2014 - 2025 (USD Million)
16. Market estimates and forecast, 2014 - 2025 (USD Million)
17. North America inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
18. North America inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
19. North America inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
20. U.S. Market estimates and forecast, 2014 - 2025 (USD Million)
21. U.S. inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)

22. U.S. inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
23. U.S. inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
24. Europe inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
25. Europe inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
26. Europe inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
27. Europe inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
28. Germany inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
29. Germany inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
30. Germany inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
31. Germany inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
32. France inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
33. France inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
34. France inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
35. France inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
36. Asia Pacific inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
37. Asia Pacific inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
38. Asia Pacific inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
39. Asia Pacific inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
40. India inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
41. India inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
42. India inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
43. India inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
44. China inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)

45. China inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
46. China inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
47. China inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
48. RoW inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
49. RoW inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
50. RoW inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
51. RoW inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
52. Brazil inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
53. Brazil inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
54. Brazil inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
55. Brazil inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
56. Others inorganic scintillators market estimates and forecast, 2014 - 2025 (USD Million)
57. Others inorganic scintillators market revenue, by product, 2014 - 2025 (USD Million)
58. Others inorganic scintillators market revenue, by material, 2014 - 2025 (USD Million)
59. Others inorganic scintillators market revenue, by end-use, 2014 - 2025 (USD Million)
60. Global ammunition market vendor landscape

List Of Figures

LIST OF FIGURES

1. Market Summary
2. Market Segmentation & Scope
3. Penetration & Growth Prospect Mapping
4. Inorganic Scintillators Market: Value Chain Analysis
5. Inorganic Scintillators Market Dynamics
6. Global Inorganic Scintillators Market Share, By Material (2015)
7. Global Radiation Detection Material Revenue, 2014 - 2025 (USD Million)
8. Inorganic Scintillators Market Porter's Analysis
9. Inorganic Scintillators Market: Product Movement Analysis
10. Inorganic Scintillators Market: Material Movement Analysis
11. Inorganic Scintillators Market: End-Use Movement Analysis
12. Regional Market Place: Key Takeaways
13. Regional Outlook, 2015 & 2025

I would like to order

Product name: Inorganic Scintillators Market Analysis By Product (Alkali Halides, Oxide Compounds, Rare Earth Metals) By Material (Sodium Iodide, Cesium Iodide, LOLYO) By End Use (Healthcare, Homeland Security & Defense, Nuclear Power Plants,) And Segment Forecasts, 2014 - 2025

Product link: <https://marketpublishers.com/r/I61A369B07EEN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/I61A369B07EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970