

Organic Semiconductor Market: Trends, Opportunities and Competitive Analysis [2023-2028]

<https://marketpublishers.com/r/O0CAE98D27D1EN.html>

Date: April 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: O0CAE98D27D1EN

Abstracts

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Organic Semiconductor Market Trends and Forecast

The future of the organic semiconductor market looks promising with opportunities in various applications, which include system components, organic photovoltaic (OPV), OLED lighting, printed batteries, organic RFID tags and display applications. The global organic semiconductor market is expected to reach an estimated \$110.4 billion with a CAGR of 6.4% from 2023 to 2028. The major drivers for this market are rise in the demand for advanced, energy-efficient, and environment-friendly electronics products, growing popularity of OLED displays, and rising penetration of organic semiconductors in automobiles.

Organic Semiconductor Market by Material Type, and Application

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Organic Semiconductor Market by Segments

Organic Semiconductor Market by Segment

The study includes a forecast for the global organic semiconductor market by material type, application, and region, as follows:

Organic Semiconductor Market by Material Type [Value (\$B) Shipment Analysis from

2017 to 2028]:

Polyethylene

Poly Aromatic Ring

Copolymer

Organic Semiconductor Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

System Component

Organic Photovoltaic (OPV)

OLED Lighting

Printed Batteries

Organic RFID Tags

Display Applications

Others

Organic Semiconductor Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of Organic Semiconductor Companies

Companies in the market compete on the basis of product quality offered. Major players

in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies organic semiconductor companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the organic semiconductor companies profiled in this report include.

GE

Sony

Toyota

Samsung

LG

AU Optronics Corporation

BASF SE

Sigma-Aldrich

Eastman Kodak Company

Bayer AG

Organic Semiconductor Market Insights

Lucintel forecast that polyethylene will remain the largest segment over the forecast period due as it is a pliable and flexible material and can be utilized to make plastic accessories and parts, thus meeting the industry's stringent quality and purity standards.

Within this market, display application segment is projected to witness the highest growth due to the development of white light emitting OLEDs and growing demand for premium displays, and active-matrix OLED displays.

APAC is expected to witness the highest growth during the forecast period due to

growing demand from consumer electronics and semiconductor industry and increasing adoption of organic materials because of aversion to plastics in countries like China, Taiwan, and South Korea.

Features of the Organic Semiconductor Market

Market Size Estimates: Organic semiconductor market size estimation in terms of value (\$B)

Trend and Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: Organic semiconductor market size by various segments, such as by material type, application, and region

Regional Analysis: Organic semiconductor market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different by material type, application, and regions for the organic semiconductor market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the organic semiconductor market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the organic semiconductor market size?

Answer: The global organic semiconductor market is expected to reach an estimated \$110.4 billion by 2028.

Q2. What is the growth forecast for organic semiconductor market?

Answer: The global organic semiconductor market is expected to grow with a CAGR of 6.4% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the organic semiconductor

market?

Answer: The major drivers for this market are rise in the demand for advanced, energy-efficient, and environment-friendly electronics products, growing popularity of OLED displays, and rising penetration of organic semiconductors in automobiles.

Q4. What are the major segments for organic semiconductor market?

Answer: The future of the organic semiconductor market looks promising with opportunities in various applications, which include system components, organic photovoltaic (OPV), OLED lighting, printed batteries, organic RFID tags, and display applications.

Q5. Who are the key organic semiconductor companies?

Answer: Some of the key organic semiconductor companies are as follows:

GE

Sony

Toyota

Samsung

LG

AU Optronics Corporation

BASF SE

Sigma-Aldrich

Eastman Kodak Company

Bayer AG

Q6. Which organic semiconductor segment will be the largest in future?

Answer: Lucintel forecast that polyethylene will remain the largest segment over the forecast period as it is a pliable and flexible material and can be utilized to make plastic accessories and parts, thus meeting the industry's stringent quality and purity standards.

Q7. In organic semiconductor market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness the highest growth during the forecast period due to growing demand from consumer electronics and semiconductor industry and increasing adoption of organic materials because of aversion to plastics in countries like China, Taiwan, and South Korea.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the global organic semiconductor market by material type (polyethylene, poly aromatic ring, and copolymer), application (system component, organic photovoltaic (OPV), OLED lighting, printed batteries, organic RFID tags, display applications, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity did occur in the last five years and how did they impact the industry?

For any questions related to organic semiconductor market or related to organic semiconductor companies, organic semiconductor market size, organic semiconductor market share, organic semiconductor analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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- 7.8: Sigma-Aldrich
- 7.9: Eastman Kodak Company
- 7.10: Bayer AG

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