

Silicon on Insulator Market - Forecasts From 2018 to 2023

<https://marketpublishers.com/r/SB9593C7755EN.html>

Date: October 2018

Pages: 112

Price: US\$ 3,950.00 (Single User License)

ID: SB9593C7755EN

Abstracts

The global silicon on insulator market is projected to grow at a CAGR of 17.91% to reach US\$1,655.533 million by 2023, from US\$615.948 million in 2017. Increasing use of silicon on insulator (SOI) wafers in consumer electronic devices coupled with rising research and development expenditure towards the development of effective SOI wafer are the major factors driving the demand for these wafers. Geographically, North America and Europe held a significant market share owing to the early adoption of technology and the presence of major vendors in the region.

This research study examines the current market trends related to the demand, supply, and sales, in addition to the recent developments. Major drivers, restraints, and opportunities have been covered to provide an exhaustive picture of the market. The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical regions. Further, the overall regulatory framework of the market has been exhaustively covered to offer stakeholders a better understanding of the key factors affecting the overall market environment.

Identification of key industry players in the industry and their revenue contribution to the overall business or relevant segment aligned to the study have been covered as a part of competitive intelligence done through extensive secondary research. Various studies and data published by industry associations, analyst reports, investor presentations, press releases and journals among others have been taken into consideration while conducting the secondary research. Both bottom-up and top down approaches have been utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the global silicon on insulator value chain. The last step involves complete market

engineering which includes analyzing the data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Market intelligence is presented in the form of analysis, charts, and graphics to help the clients in gaining faster and efficient understanding of the global silicon on insulator market.

Major industry players profiled as part of the report are SOITEC, Global Wafers Co., Ltd., Sumco Corporation, GlobalFoundries, STMicroelectronics, NXP Semiconductors, Skyworks Solutions, Inc., and Shin- Etsu Chemical Co., Ltd. among others.

Segmentation

The silicon on insulator market has been analyzed through the following segments:

By Wafer Size

Less than 200 mm

200 mm

300 mm

By Technology

Smart Cut

Bonding

Layer Transfer

By Product

RF Fem

MEMS

Power

Optical Communication

Image Sensing

By End-User Industry

Consumer Electronics

Automotive

Telecommunication

Military and Defense

Others

By Geography

North America

USA

Canada

Others
South America
Europe
Germany
France
United Kingdom
Spain
Others
Middle East and Africa
Asia Pacific
China
Japan
South Korea
Taiwan
Others

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