

# Silicon on Insulator (SOI) Market Report: Trends, Forecast and Competitive Analysis

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## Abstracts

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The future of the silicon on insulator (SOI) market looks promising with opportunities in the automotive, datacom & telecom, military & defense, aerospace, industrial, and consumer electronics industries. The global silicon on insulator (SOI) market is expected to grow with a CAGR of 14% to 16% from 2021 to 2026. The major drivers for this market are growing demand for high performance, low power microelectronic devices, and increasing usage of mobile phones, tablets, digital cameras, and other electronic devices due to e-learning.

A more than 150 page report is developed to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of silicon on insulator (SOI) market report download the report brochure.

The study includes trends and forecast for the global silicon on insulator (SOI) market by wafer type, wafer size, technology, product type, application, and region as follows:

By Product Type [\$M shipment analysis for 2015 – 2026]:

RF FEM

MEMS

Power

## Optical Communication

### Image Sensing

#### By Wafer Size [\$M shipment analysis for 2015 – 2026]:

200 mm and less than 200 mm

300 mm

#### By Wafer Type [\$M shipment analysis for 2015 – 2026]:

RF-SOI

FD-SOI

Power-SOI

PD-SOI

Emerging-SOI

#### By Technology [\$M shipment analysis for 2015 – 2026]:

Smart Cut

Bonding

Layer Transfer

#### By Application [\$M shipment analysis for 2015 – 2026]:

Consumer Electronics

Automotive

Datacom & Telecom

Military, Defense, and Aerospace

Industrial

By Region [\$M shipment analysis for 2015 – 2026]:

North America

United States

Canada

Mexico

Europe

Germany

United Kingdom

France

Italy

Asia Pacific

China

Japan

India

South Korea

The Rest of the World

RF FEM will remain the largest product type segment due to increased demand for RF FEM in upcoming 5G technology and also in consumer electronic devices.

Automotive is expected to witness the highest growth over the forecast period due to development of Advanced Driver-Assistance Systems (ADAS) and driverless cars.

Asia Pacific is expected to witness the highest growth over the forecast period due to rising industrial application, economic developments, and technology adoption for various industrial operations.

Some of the silicon on insulator (SOI) companies profiled in this report include Soitec, Shin-Etsu Chemical Co., Ltd, GlobalWafers Co. Ltd., SUMCO, Simgui, GlobalFoundries, STMicroelectronics N.V., TowerJazz, NXP Semiconductors N.V., Murata Manufacturing, Skyworks Solutions, Sony Corporation, Taiwan Semiconductor Manufacturing Company, Qualcomm Technologies, Inc.

#### Features of Silicon on Insulator (SOI) Market

**Market Size Estimates:** Silicon on Insulator (SOI) market size estimation in terms of value (\$M)

**Trend and Forecast Analysis:** Market trends (2015-2020) and forecast (2021-2026) by various segments and regions.

**Segmentation Analysis:** Market size by wafer size, wafer type, technology, product type and application

**Regional Analysis:** Silicon on Insulator (SOI) market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis on growth opportunities in different wafer size, wafer type, technology, product type and application, and regions for silicon on insulator (SOI) market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the silicon on insulator (SOI) market.

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

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high-growth opportunities for the global silicon on insulator (SOI) market by product type (RF FEM, MEMS, power, optical communication, image sensing), wafer size (200mm and less than 200mm, 300mm), wafer type (RF-SOI, FD-SOI, Power-SOI, PD-SOI, and emerging-SOI), technology (smart cut, bonding, and layer transfer), application (automotive, datacom & telecom, military & defense, aerospace, industrial, and consumer electronics), 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 regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the silicon on insulator (SOI) market?

Q.5 What are the business risks and threats to the silicon on insulator (SOI) market?

Q.6 What are emerging trends in this silicon on insulator (SOI) market and the reasons behind them?

Q.7 What are some changing demands of customers in the silicon on insulator (SOI) market?

Q.8 What are the new developments in the silicon on insulator (SOI) market? Which companies are leading these developments?

Q.9 Who are the major players in the silicon on insulator (SOI) market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in the silicon on insulator (SOI) market, and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M&A activities did take place in the last five years in the silicon on insulator (SOI) market?

## Contents

### 1. EXECUTIVE SUMMARY

### 2. MARKET BACKGROUND AND CLASSIFICATIONS

Introduction, Background, and Classifications

Supply Chain

Industry Drivers and Challenges

### 3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2015 T 2026

Macroeconomic Trends (2015-2020) and Forecast (2021-2026)

Global Silicon on Insulator (SOI) Market Trends (2015-2020) and Forecast (2021-2026)

Global Silicon on Insulator (SOI) Market by Application

Consumer Electronics

Automotive

Datacom & Telecom

Military, Defense, and Aerospace

Industrial

Global Silicon on Insulator (SOI) Market by Product Type

RF FEM

MEMS

Power

Optical Communication

Image Sensing

Global Silicon on Insulator (SOI) Market by Wafer Size

200 mm and less than 200 mm

300 mm

Global Silicon on Insulator (SOI) Market by Wafer Type

RF-SOI

FD-SOI

Power-SOI

PD-SOI

Emerging-SOI

Global Silicon on Insulator (SOI) Market by Technology

Smart Cut

Bonding

Layer Transfer

#### **4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2015 T 2026**

Global Silicon on Insulator (SOI) Market by Region

North American Silicon on Insulator (SOI) Market

Market by Application

Market by Product Type

The US Silicon on Insulator (SOI) Market

The Canadian Silicon on Insulator (SOI) Market

The Mexican Silicon on Insulator (SOI) Market

European Silicon on Insulator (SOI) Market

Market by Application

Market by Product Type

German Silicon on Insulator (SOI) Market

United Kingdom Silicon on Insulator (SOI) Market

French Silicon on Insulator (SOI) Market

Italian Silicon on Insulator (SOI) Market

APAC Silicon on Insulator (SOI) Market

Market by Application

Market by Product Type

Chinese Silicon on Insulator (SOI) Market

Japanese Silicon on Insulator (SOI) Market

Indian Silicon on Insulator (SOI) Market

South Korean Silicon on Insulator (SOI) Market

ROW Silicon on Insulator (SOI) Market

Market by Application

Market by Product Type

#### **5. COMPETITOR ANALYSIS**

Product Portfolio Analysis

Geographical Reach

Porter's Five Forces Analysis

#### **6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS**

Growth Opportunity Analysis

Growth Opportunities for the Global Silicon on Insulator (SOI) Market by Application

Growth Opportunities for the Global Silicon on Insulator (SOI) Market by Product Type

Growth Opportunities for the Global Silicon on Insulator (SOI) Market by Wafer Size

Growth Opportunities for the Global Silicon on Insulator (SOI) Market by Wafer Type

Growth Opportunities for the Global Silicon on Insulator (SOI) Market by Technology

Growth Opportunities for the Global Silicon on Insulator (SOI) Market by Region

Emerging Trends in the Global Silicon on Insulator (SOI) Market

Strategic Analysis

New Product Development

Capacity Expansion of the Global Silicon on Insulator (SOI) Market

Technology Development

Mergers and Acquisitions in the Global Silicon on Insulator (SOI) Industry

## **7. COMPANY PROFILES OF LEADING PLAYERS**

Soitec

Shin-Etsu Chemical Co., Ltd

GlobalWafers Co. Ltd.

SUMCO

Simgui

GlobalFoundries

STMicroelectronics N.V.

TowerJazz

NXP Semiconductors N.V.

Murata Manufacturing

Skyworks Solutions

Sony Corporation

Taiwan Semiconductor Manufacturing Company

Qualcomm Technologies, Inc.



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