

# Global Silicon on Insulator Market-Companies Profiles, Size, Share, Growth, Trends and Forecast to 2026

https://marketpublishers.com/r/G6D7D2361B3EN.html

Date: February 2019

Pages: 313

Price: US\$ 4,200.00 (Single User License)

ID: G6D7D2361B3EN

# **Abstracts**

Global Silicon on Insulator Market is expected to reach at a CAGR of 8.9% in the forecast period of 2019 to 2026. The market report contains data for the historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

#### MARKET SEGMENTATION

By Wafer Type (Fully Depleted Silicon on Insulator (FD-SOI), RF-SOI, Emerging-SOI, Partially Depleted Silicon on Insulator (PD-SOI), Power-SOI, Wafer Size (



# **Contents**

# 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 OVERVIEW OF GLOBAL SILICON ON INSULATOR MARKET
- 1.4 CURRENCY AND PRICING
- 1.5 LIMITATION
- 1.6 MARKETS COVERED

#### **2 MARKET SEGMENTATION**

- 2.1 MARKETS COVERED
- 2.2 GEOGRAPHIC SCOPE
- 2.3 YEARS CONSIDERED FOR THE STUDY
- 2.4 CURRENCY AND PRICING
- 2.5 RESEARCH METHODOLOGY
- 2.6 TECHNOLOGY LIFE LINE CURVE
- 2.7 MULTIVARIATE MODELLING
- 2.8 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS
- 2.9 DBMR MARKET POSITION GRID
- 2.10 MARKET APPLICATION COVERAGE GRID
- 2.11 DBMR MARKET CHALLENGE MATRIX
- 2.12 IMPORT-EXPORT DATA
- 2.13 SECONDARY SOURCES
- 2.14 ASSUMPTIONS

### **3 MARKET OVERVIEW**

- 3.1 DRIVERS
  - 3.1.1 GROWING DEMAND FOR SEMICONDUCTORS
  - 3.1.2 GROWING ADOPTION OF FD-SOI
- 3.1.3 GROWING DEMAND OF FAULT-TOLERANT SOI MICROPROCESSOR IN SPACE APPLICATIONS
- 3.1.4 SOI FILM THICKNESS STANDS AS A TUNABLE PARAMETER FOR DEVICE SHRINKING
- 3.2 RESTRAINTS
  - 3.2.1 SILICONE PRICE OUTPOURING AS THE DEMAND SINKS



- 3.2.2 USAGE OF SILICONE CHEMICAL PRODUCTS IS HARMFUL FOR THE BIODIVERSITY
- 3.2.3 DECLINE IN THE AVAILABILITY OF SILICONE DUE TO STRINGENT ENVIRONMENTAL REGULATIONS LEADING TO SHUT DOWN OF PLANTS 3.3 OPPORTUNITIES
  - 3.3.1 RF-SOI THAT SUPPORT DATA TRANSFER RATES OF 1 GBPS AND HIGHER
- 3.3.2 COST-EFFECTIVE SOI FOR ENTRY-LEVEL SMART PHONES

## **MANUFACTURERS**

- 3.4 CHALLENGES
  - 3.4.1 SELF-HEATING PROBLEM OF SOI
  - 3.4.2 FABRICATION AND MEASUREMENT OF THIN AND UNIFORM LAYERS

#### **4 EXECUTIVE SUMMARY**

#### **5 PREMIUM INSIGHTS**

#### **6 INDUSTRY INSIGHTS**

# 7 GLOBAL SILICON ON INSULATOR MARKET, BY WAFER TYPE

- 7.1 OVERVIEW
- **7.2 RF SOI**
- 7.3 PARTIALLY DEPLETED SILICON ON INSULATOR (PD-SOI)
- 7.4 FULLY DEPLETED SILICON ON INSULATOR (FD-SOI)
- 7.5 POWER SOI
- 7.6 EMERGING SOI
  - 7.6.1 PHOTONICS-SOI
  - 7.6.2 IMAGER-SOI

# 8 GLOBAL SILICON ON INSULATOR MARKET, BY WAFER SIZE

- 8.1 OVERVIEW
- 8.2 300MM
- 8.3



# **List Of Figures**

#### LIST OF FIGURES

LINE CURVE

FIGURE 1 GLOBAL SILICON ON INSULATOR MARKET: SEGMENTATION
FIGURE 2 GLOBAL SILICON ON INSULATOR MARKET: DATA TRIANGULATION
FIGURE 3 GLOBAL SILICON ON INSULATOR MARKET: RESEARCH SNAPSHOT
FIGURE 4 GLOBAL SILICON ON INSULATOR MARKET: TOP DOWN APPROACH
FIGURE 5 GLOBAL SILICON ON INSULATOR MARKET: BOTTOM UP APPROACH
FIGURE 6 GLOBAL SILICON ON INSULATOR MARKET: THE TECHNOLOGY LIFE

FIGURE 7 MULTIVARIATE MODELLING FOR GLOBAL SILICON ON INSULATOR MARKET

FIGURE 8 GLOBAL SILICON ON INSULATOR MARKET: INTERVIEW DEMOGRAPHICS

FIGURE 9 GLOBAL SILICON ON INSULATOR MARKET: DBMR MARKET POSITION GRID

FIGURE 10 GLOBAL SILICON ON INSULATOR MARKET: MARKET APPLICATION COVERAGE GRID

FIGURE 11 GLOBAL SILICON ON INSULATOR MARKET: THE MARKET CHALLENGE MATRIX

FIGURE 12 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES OF GLOBAL SILICON ON INSULATOR MARKET

FIGURE 13 GLOBAL SILICON ON INSULATOR MARKET: SEGMENTATION FIGURE 14 ASIA-PACIFIC IS EXPECTED TO DOMINATE THE MARKET FOR GLOBAL SILICON ON INSULATOR MARKET AND IS EXPECTED TO BE GROW WITH THE HIGHEST CAGR IN THE FORECAST PERIOD FROM 2019 TO 2026 FIGURE 15 INCREASING DEMAND OF FAULT-TOLERANT SOI MICROPROCESSOR IN SPACE APPLICATIONS IS EXPECTED TO GROW THE SILICON ON INSULATOR MARKET IN THE FORECAST PERIOD 2019 TO 2026 FIGURE 16 RF-SOI SEGMENT IS EXPECTED TO ACCOUNT FOR THE LARGEST SHARE OF THE GLOBAL SILICON ON INSULATOR MARKET IN 2019 & 2026 FIGURE 17 ASIA PACIFIC IS THE FASTEST GROWING MARKET FOR SILICON ON INSULATOR MANUFACTURERS IN THE FORECAST PERIOD 2019 TO 2026 FIGURE 18 GLOBAL SILICON ON INSULATOR MARKET: BY WAFER TYPE, 2018 FIGURE 19 GLOBAL SILICON ON INSULATOR MARKET: BY WAFER SIZE, 2018 FIGURE 20 GLOBAL SILICON ON INSULATOR MARKET: BY PRODUCT, 2018 FIGURE 21 GLOBAL SILICON ON INSULATOR MARKET: BY TECHNOLOGY. 2018 FIGURE 22 GLOBAL SILICON ON INSULATOR MARKET: BY APPLICATION, 2018



FIGURE 23 GLOBAL SILICON ON INSULATOR MARKET: SNAPSHOT (2018)

FIGURE 24 GLOBAL SILICON ON INSULATOR MARKET: BY GEOGRAPHY (2018)

FIGURE 25 GLOBAL SILICON ON INSULATOR MARKET: BY GEOGRAPHY (2019 & 2026)

FIGURE 26 GLOBAL SILICON ON INSULATOR MARKET: BY GEOGRAPHY (2018 & 2026)

FIGURE 27 GLOBAL SILICON ON INSULATOR MARKET: BY WAFER TYPE (2019 - 2026)

FIGURE 28 NORTH AMERICA SILICON ON INSULATOR MARKET: SNAPSHOT (2018)

FIGURE 29 NORTH AMERICA SILICON ON INSULATOR MARKET: BY COUNTRY (2018)

FIGURE 30 NORTH AMERICA SILICON ON INSULATOR MARKET: BY COUNTRY (2019 & 2026)

FIGURE 31 NORTH AMERICA SILICON ON INSULATOR MARKET: BY COUNTRY (2018 & 2026)

FIGURE 32 NORTH AMERICA SILICON ON INSULATOR MARKET: BY WAFER TYPE (2019 - 2026)

FIGURE 33 EUROPE SILICON ON INSULATOR MARKET: SNAPSHOT (2018)

FIGURE 34 EUROPE SILICON ON INSULATOR MARKET: BY COUNTRY (2018)

FIGURE 35 EUROPE SILICON ON INSULATOR MARKET: BY COUNTRY (2019 & 2026)

FIGURE 36 EUROPE SILICON ON INSULATOR MARKET: BY COUNTRY (2018 & 2026)

FIGURE 37 EUROPE SILICON ON INSULATOR MARKET, BY WAFER TYPE (2019 - 2026)

FIGURE 38 ASIA-PACIFIC SILICON ON INSULATOR MARKET: SNAPSHOT (2018)

FIGURE 39 ASIA-PACIFIC SILICON ON INSULATOR MARKET: BY COUNTRY (2018)

FIGURE 40 ASIA-PACIFIC SILICON ON INSULATOR MARKET: BY COUNTRY (2019 & 2026)

FIGURE 41 ASIA-PACIFIC SILICON ON INSULATOR MARKET: BY COUNTRY (2018 & 2026)

FIGURE 42 ASIA-PACIFIC SILICON ON INSULATOR MARKET: BY WAFER TYPE (2019 - 2026)

FIGURE 43 SOUTH AMERICA SILICON ON INSULATOR MARKET: SNAPSHOT (2018)

FIGURE 44 SOUTH AMERICA SILICON ON INSULATOR MARKET: BY COUNTRY (2018)

FIGURE 45 SOUTH AMERICA SILICON ON INSULATOR MARKET: BY COUNTRY



(2019 & 2026)

FIGURE 46 SOUTH AMERICA SILICON ON INSULATOR MARKET: BY COUNTRY (2018 & 2026)

FIGURE 47 SOUTH AMERICA SILICON ON INSULATOR MARKET: BY WAFER TYPE (2019 - 2026)

FIGURE 48 MIDDLE EAST & AFRICA SILICON ON INSULATOR MARKET: SNAPSHOT (2018)

FIGURE 49 MIDDLE EAST & AFRICA SILICON ON INSULATOR MARKET: BY COUNTRY (2018)

FIGURE 50 MIDDLE EAST & AFRICA SILICON ON INSULATOR MARKET: BY COUNTRY (2019 & 2026)

FIGURE 51 MIDDLE EAST & AFRICA SILICON ON INSULATOR MARKET: BY COUNTRY (2018 & 2026)

FIGURE 52 MIDDLE EAST & AFRICA SILICON ON INSULATOR MARKET, BY WAFER TYPE (2019 - 2026)

FIGURE 53 GLOBAL COLORANT MARKET: COMPANY SHARE 2018 (%)

FIGURE 54 NORTH AMERICA COLORANT MARKET: COMPANY SHARE 2018 (%)

FIGURE 55 EUROPE COLORANT MARKET: COMPANY SHARE 2018 (%)

FIGURE 56 ASIA-PACIFIC COLORANT MARKET: COMPANY SHARE 2018 (%)



## I would like to order

Product name: Global Silicon on Insulator Market-Companies Profiles, Size, Share, Growth, Trends and

Forecast to 2026

Product link: <a href="https://marketpublishers.com/r/G6D7D2361B3EN.html">https://marketpublishers.com/r/G6D7D2361B3EN.html</a>

Price: US\$ 4,200.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G6D7D2361B3EN.html">https://marketpublishers.com/r/G6D7D2361B3EN.html</a>

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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

