

Global Semiconductor Silicon Wafer Market

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Abstracts

REPORT SCOPE:

This report forecasts the market for compound semiconductor wafers for 2018-2023. The report presents the market forecast in terms of dollar value (\$ million) and shipment volume (msi).

Dollar value and shipment volume are broken down along the following end uses -

Telecommunications.

Instrumentation and scientific research.

Healthcare.

Energy, defense and surveillance.

Computing and entertainment.

Industrial and automotive.

Retail and others.

Each of the end applications is further broken down by crystal growth methods -

Bridgman and allied methods (Bridgman).

Float-zone (FZ).

Czochralski (CZ) and allied methods (Czochralski).

Each end application is broken down by the following wafer-bonding methods -

Direct bonding.

Surface-activated bonding.

Anodic bonding.

Plasma bonding.

Each end application is further broken down by node size -

10 nm and lower.

12 to 22 nm.

28 nm and above.

Each end-application is further broken down by regional market -

Americas.

Europe, Middle East and Africa (EMEA).

Asia Pacific (APAC).

REPORT INCLUDES:

72 data tables and 10 additional tables

An overview of the global markets for semiconductor silicon wafers

Analyses of global market trends, with data from 2017, 2018, and projections of compound annual growth rates (CAGRs) through 2023

Identification of potential applications of semiconductor silicon wafers in consumer electronics, telecommunications, automotive, defence, and healthcare industry

Overview of various bonding technologies in the semiconductor silicon wafers industry, including direct bonding, surface activated bonding, plasma activated bonding and anodic bonding

Coverage of major innovation initiatives in silicon wafer fabrication technology

Detailed analysis of major vendors and suppliers of the industry, including 3M, Global Wafers Co., Ltd., Mechatronik Systemtechnik GmbH, Nissan Chemical Corporation, Samsung, Shanghai Simgui Technology, Toshiba and Wafer World Inc

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3M

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AIXTRON

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ALINEASON

BREWER SCIENCE INC.

CMK SRO

DISCO CORP.

ELECTRONICS AND MATERIALS CORP. LTD (E&M)

ELKEM

EV GROUP

GLOBALWAFERS JAPAN CO. LTD.
HEMLOCK SEMICONDUCTOR CORP.
KOKUSAI ELECTRIC
INTEL
LINTEC CORP.
MECHATRONIK SYSTEMTECHNIK GMBH
MICRON
NICHIA CORP.
NISSAN CHEMICAL CORP.
OKMETIC
POWERCHIP
SAMSUNG
SHANGHAI SIMGUI TECHNOLOGY
SHIN-ETSU CHEMICAL CO. LTD.
SILTRONIX SILICON TECHNOLOGIES
SILICON MATERIALS INC.
SILICON VALLEY MICROELECTRONICS
SILTRONIC AG
SK HYNIX
SK SILTRON
SOITEC
SUMCO CORP.
SUSS MICRO TEC AG
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THERMCRAFT
TOKUYAMA CORP.
TOSHIBA
TSMC
ULVAC INC.
UMC
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