

Global Terahertz Sensing Technology Market Growth (Status and Outlook) 2023-2029

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Abstracts

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According to this study, the global Terahertz Sensing Technology market size will reach US\$ million by 2029.

Sensing applications of THz technology include applications for space exploration, detection of concealed objects, explosive identification, and THz cancer detection. This paper will review these and other emerging applications and existing and potential THz sources and detectors, including photonic and electronic THz devices, such as plasmonic field effect transistors capable of detecting and emitting THz radiation. Plasma wave electronics devices demonstrated THz detection using GaAs-based and GaN-based HEMTs, Si MOS, SOI, and FINFETs and FET arrays. This technology has potential to become a dominant THz electronics technology.

This report presents a comprehensive overview, market shares, and growth opportunities of Terahertz Sensing Technology market by product type, application, key players and key regions and countries.

Segmentation by product type:

Photonic Sensing

Electronic Sensing

Segmentation by Application:

Space Application

Medical & Healthcare

Military and Homeland Security

Industrial Non-Destructive Testing (NDT)

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Brainware Terahertz Information

Advantest Corporation

H?bner GmbH & Co. KG

Daheng New Epoch Technology

Toptica Photonics AG

Luna Innovations Incorporated

TeraView

Bruker

Terasense Group Inc.

Menlo Systems GmbH

EKSPLA

Microtech Instrument Inc

Insight Product Co.

Traycer

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