

# Global Terahertz Technology Market 2023-2029

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## Abstracts

Terahertz technology refers to the use of electromagnetic waves in the terahertz region of the electromagnetic spectrum. The potential applications of terahertz radiation are numerous and diverse, ranging from security and materials science to communications and medicine. According to the latest research, the global terahertz technology market is poised to grow by USD 1,343.4 million during 2023-2029, progressing at a CAGR of 22.5% during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global terahertz technology market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the component, type of technology, end user, and region. The global market for terahertz technology can be segmented by component: terahertz detectors, terahertz sources. The terahertz detectors segment is estimated to account for the largest share of the global terahertz technology market. Terahertz technology market is further segmented by type of technology: communication systems, terahertz imaging systems, terahertz spectroscopy systems. The terahertz imaging systems segment held the largest revenue share in 2022. Based on end user, the terahertz technology market is segmented into: defense and security, food and agriculture, manufacturing, medical and healthcare, telecommunications, others. Globally, the defense and security segment made up the largest share of the terahertz technology market. On the basis of region, the terahertz technology market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. North America was the largest contributor to the global terahertz technology market in

2022.

The terahertz imaging systems market is further segmented into active system, passive system. The active system segment held the largest share of the global terahertz technology market in 2022 and is anticipated to hold its share during the forecast period. Furthermore, the terahertz spectroscopy systems market has been categorized into frequency domain, time domain. In 2022, the time domain segment made up the largest share of revenue generated by the terahertz technology market.

### Market Segmentation

By component: terahertz detectors, terahertz sources

By type of technology: communication systems, terahertz imaging systems, terahertz spectroscopy systems

By end user: defense and security, food and agriculture, manufacturing, medical and healthcare, telecommunications, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report has also analysed the competitive landscape of the global terahertz technology market with some of the key players being Advantest Corporation, Bakman Technologies LLC, Batop GmbH, Gentec Electro-Optics Inc., HUBNER GmbH & Co. KG., Luna Innovations Incorporated (Advanced Photonix, Inc.), Menlo Systems GmbH, Microtech Instruments, Inc., Terasense Group Inc., TeraView Limited, TeraVil Ltd., TOPTICA Photonics AG, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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### Scope of the Report

To analyze and forecast the market size of the global terahertz technology market.

To classify and forecast the global terahertz technology market based on component, type of technology, end user, region.

To identify drivers and challenges for the global terahertz technology market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global terahertz technology market.

To identify and analyze the profile of leading players operating in the global terahertz technology market.

### Why Choose This Report

Gain a reliable outlook of the global terahertz technology market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

## Contents

### **PART 1. INTRODUCTION**

Report description  
Objectives of the study  
Market segment  
Years considered for the report  
Currency  
Key target audience

### **PART 2. METHODOLOGY**

### **PART 3. EXECUTIVE SUMMARY**

### **PART 4. MARKET OVERVIEW**

Introduction  
Drivers  
Restraints

### **PART 5. MARKET BREAKDOWN BY COMPONENT**

Terahertz detectors  
Terahertz sources

### **PART 6. MARKET BREAKDOWN BY TYPE OF TECHNOLOGY**

Communication systems  
Terahertz imaging systems  
Terahertz spectroscopy systems

### **PART 7. MARKET BREAKDOWN BY END USER**

Defense and security  
Food and agriculture  
Manufacturing  
Medical and healthcare  
Telecommunications

Others

## **PART 8. MARKET BREAKDOWN BY REGION**

North America

Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

## **PART 9. KEY COMPANIES**

Advantest Corporation

Bakman Technologies LLC

Batop GmbH

Gentec Electro-Optics Inc.

HUBNER GmbH & Co. KG.

Luna Innovations Incorporated (Advanced Photonix, Inc.)

Menlo Systems GmbH

Microtech Instruments, Inc.

Terasense Group Inc.

TeraView Limited

TeraVil Ltd.

TOPTICA Photonics AG

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