

Terahertz Technology Market Report: Trends, Forecast and Competitive Analysis to 2030

<https://marketpublishers.com/r/TF9F2BEE6FA6EN.html>

Date: September 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: TF9F2BEE6FA6EN

Abstracts

It will take 2-3 business days to deliver the report upon receipt the order if any customization is not there.

Terahertz Technology Trends and Forecast

The future of the global terahertz technology market looks promising with opportunities in the healthcare and medical, defense and security, telecommunications, and food & agriculture markets. The global terahertz technology market is expected to reach an estimated \$2.2 billion by 2030 with a CAGR of 19.8% from 2024 to 2030. The major drivers for this market are growing preference for compact and low energy consuming transceiver, significant use of this technology in security and monitoring applications, and rising demand for IoT based terahertz technology.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Terahertz Technology by Segment

The study includes a forecast for the global terahertz technology by type, component, end use industry, technology, and region

Terahertz Technology Market by Type [Shipment Analysis by Value from 2018 to 2030]:

Terahertz Imaging Systems

Terahertz Spectroscopy Systems

Terahertz Communication Systems

Terahertz Technology Market by Component [Shipment Analysis by Value from 2018 to 2030]:

Terahertz Sources

Terahertz Technology Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

Healthcare and Medical

Defense and Security

Telecommunications

Food and Agriculture

Others

Terahertz Technology Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Terahertz Technology Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments,

infrastructural development, and leverage integration opportunities across the value chain. With these strategies terahertz technology companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the terahertz technology companies profiled in this report include-

Advantest

Bakman Technologies

Batop

Gentec Electro-Optics

H?BNER

Luna Innovations

Menlo Systems

Teraprobos

Terasense

TeraView

Terahertz Technology Market Insights

Lucintel forecast that detector is expected to witness highest growth over the forecast period due to its widespread use in security screening, medical imaging, and material characterization.

Defense and security will remain the largest segment due to extensive use of terahertz in this sectors for efficient security screening, surveillance, and military applications.

North America is expected to witness highest growth over the forecast period due to increasing concerns about homeland security and growing demand for terahertz in aerospace and automotive sectors of the region.

Features of the Global Terahertz Technology Market

Market Size Estimates: Terahertz technology market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Terahertz technology market size by type, component, end use industry, and region in terms of value (\$B).

Regional Analysis: Terahertz technology market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different types, components, end use industries, and regions for the terahertz technology market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the terahertz technology market.

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

FAQ

Q.1 What is the terahertz technology market size?

Answer: The global terahertz technology market is expected to reach an estimated \$2.2 billion by 2030.

Q.2 What is the growth forecast for terahertz technology market?

Answer: The global terahertz technology market is expected to grow with a CAGR of 19.8% from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the terahertz technology market?

Answer: The major drivers for this market are growing preference for compact and low

energy consuming transceiver, significant use of this technology in security and monitoring applications, and rising demand for IoT based terahertz technology.

Q4. What are the major segments for terahertz technology market?

Answer: The future of the terahertz technology market looks promising with opportunities in the healthcare and medical, defense and security, telecommunications, and food & agriculture markets.

Q5. Who are the key terahertz technology market companies?

Answer: Some of the key terahertz technology companies are as follows:

Advantest

Bakman Technologies

Batop

Gentec Electro-Optics

H?BNER

Luna Innovations

Menlo Systems

Teraprobes

Terasense

TeraView

Q6. Which terahertz technology market segment will be the largest in future?

Answer: Lucintel forecast that detector is expected to witness highest growth over the forecast period due to its widespread use in security screening, medical imaging, and material characterization.

Q7. In terahertz technology market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to witness highest growth over the forecast period due to increasing concerns about homeland security and growing demand for terahertz in aerospace and automotive sectors of the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the terahertz technology market by type (terahertz imaging systems, terahertz spectroscopy systems, and terahertz communication systems), component (terahertz sources and terahertz detectors), end use industry (healthcare and medical, defense and security, telecommunications, food and agriculture, and others), 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 region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to terahertz technology market or related to terahertz technology companies, terahertz technology market size, terahertz technology market share, terahertz technology market growth, terahertz technology market research, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL TERAHERTZ TECHNOLOGY MARKET : MARKET DYNAMICS

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2018 TO 2030

3.1. Macroeconomic Trends (2018-2023) and Forecast (2024-2030)

3.2. Global Terahertz Technology Market Trends (2018-2023) and Forecast (2024-2030)

3.3: Global Terahertz Technology Market by Type

3.3.1: Terahertz Imaging Systems

3.3.2: Terahertz Spectroscopy Systems

3.3.3: Terahertz Communication Systems

3.4: Global Terahertz Technology Market by Component

3.4.1: Terahertz Sources

3.4.2: Terahertz Detectors

3.5: Global Terahertz Technology Market by End Use Industry

3.5.1: Healthcare and Medical

3.5.2: Defense and Security

3.5.3: Telecommunications

3.5.4: Food and Agriculture

3.5.5: Others

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2018 TO 2030

4.1: Global Terahertz Technology Market by Region

4.2: North American Terahertz Technology Market

4.2.1: North American Terahertz Technology Market by Component: Terahertz Sources and Terahertz Detectors

4.2.2: North American Terahertz Technology Market by End Use Industry: Healthcare and Medical, Defense and Security, Telecommunications, Food and Agriculture, and Others

4.3: European Terahertz Technology Market

4.3.1: European Terahertz Technology Market by Component: Terahertz Sources and Terahertz Detectors

4.3.2: European Terahertz Technology Market by End Use Industry: Healthcare and Medical, Defense and Security, Telecommunications, Food and Agriculture, and Others

4.4: APAC Terahertz Technology Market

4.4.1: APAC Terahertz Technology Market by Component: Terahertz Sources and Terahertz Detectors

4.4.2: APAC Terahertz Technology Market by End Use Industry: Healthcare and Medical, Defense and Security, Telecommunications, Food and Agriculture, and Others

4.5: ROW Terahertz Technology Market

4.5.1: ROW Terahertz Technology Market by Component: Terahertz Sources and Terahertz Detectors

4.5.2: ROW Terahertz Technology Market by End Use Industry: Healthcare and Medical, Defense and Security, Telecommunications, Food and Agriculture, and Others

5. COMPETITOR ANALYSIS

5.1: Product Portfolio Analysis

5.2: Operational Integration

5.3: Porter's Five Forces Analysis

6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

6.1: Growth Opportunity Analysis

6.1.1: Growth Opportunities for the Global Terahertz Technology Market by Type

6.1.2: Growth Opportunities for the Global Terahertz Technology Market by Component

6.1.3: Growth Opportunities for the Global Terahertz Technology Market by End Use Industry

6.1.4: Growth Opportunities for the Global Terahertz Technology Market by Region

6.2: Emerging Trends in the Global Terahertz Technology Market

6.3: Strategic Analysis

6.3.1: New Product Development

6.3.2: Capacity Expansion of the Global Terahertz Technology Market

6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Terahertz Technology Market

6.3.4: Certification and Licensing

7. COMPANY PROFILES OF LEADING PLAYERS

- 7.1: Advantest
- 7.2: Bakman Technologies
- 7.3: Batop
- 7.4: Gentec Electro-Optics
- 7.5: H?BNER
- 7.6: Luna Innovations
- 7.7: Menlo Systems
- 7.8: Teraprobos
- 7.9: Terasense
- 7.10: TeraView

I would like to order

Product name: Terahertz Technology Market Report: Trends, Forecast and Competitive Analysis to 2030

Product link: <https://marketpublishers.com/r/TF9F2BEE6FA6EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/TF9F2BEE6FA6EN.html>

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

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

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

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