

Terahertz Technology - Global Market Outlook (2016-2022)

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Abstracts

According to Statistics MRC, the Global Terahertz Technology Market accounted for \$84.53 million in 2015 and is expected to reach \$491.27 million by 2022 growing at a CAGR of 28.5% from 2015 to 2022. Growing demand from defence and healthcare sectors and the high adoption rate of the technology in laboratory research applications are driving the market growth. The growing recognition of the optoelectronic approaches further assists the market growth. Technological advancements generate more opportunities for the adoption of terahertz technology for a range of new applications.

By Type, THz imaging segment is expected to dominate the overall terahertz technology market in 2016 and is projected to sustain its growth over the forecast period. This is attributed to non-ionizing and harmless nature of terahertz electromagnetic waves. APAC is expected to grow at the highest CAGR during the forecast period owing to the increased R&D investments in countries such as China, India, and Japan of this region.

Some of the key players in the market are Traycer, Toptica Photonics AG, Teraview, Terasense, QMC Instruments Ltd., Microtech Instrument Inc., Menlo Systems GmbH, Insight Product Co., Gentec Electro-Optics, Digital Barriers PLC, Del Mar Photonics, Inc., Advantest Corporation, Advanced Photonix, Inc. and ACAL PLC.

Types Covered:

Terahertz Spectroscopy

Terahertz Time Domain Spectroscopy

Terahertz Frequency Domain Spectroscopy

Terahertz Communication Systems

Modulators

Emitters

Antennas

Terahertz Imaging

Passive Terahertz Imaging Systems

Active Terahertz Imaging Systems

Sources Covered:

Stimulated Terahertz Amplified Radiation (STAR)

Quantum-Cascade Laser (QCL)

Photoconductive Antenna (PCA)

Globar

Frequency Multiplier

Detectors Covered:

Bolometer and Superconductive Hot-Spot Air-Bridge Bolometer (SHAB)

Golay Cell

High Electron Mobility Transistor (HEMT)

Nanowire

Pyroelectric Detector

Schottky Diode

Applications Covered:

Terahertz Communication System

Tactical/Military Communication

Satellite Communication

Outdoor/Indoor Wireless Communication

Terahertz Imaging & Spectroscopy

Medical & Healthcare

Industrial Non-Destructive Testing (NDT)

Military and Homeland Security

Laboratory Research

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

France

Italy

UK

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

Rest of Asia Pacific

Rest of the World

Middle East

Brazil

Argentina

South Africa

Egypt

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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