Terahertz Technology Market to Reach $491.27 million with 28.5% CAGR Forecast to 2022

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

PUNE, MAHARASTRA, INDIA, January 11, 2017 /EINPresswire.com/ --

Summary

According to Stratistics 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.

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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
o Terahertz Time Domain Spectroscopy
o Terahertz Frequency Domain Spectroscopy
• Terahertz Communication Systems
o Modulators
o Emitters
o Antennas
• Terahertz Imaging
o Passive Terahertz Imaging Systems
o 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
o Tactical/Military Communication
o Satellite Communication
o Outdoor/Indoor Wireless Communication
• Terahertz Imaging & Spectroscopy
o Medical & Healthcare
o Industrial Non-Destructive Testing (NDT)
o Military and Homeland Security
o Laboratory Research
Regions Covered:
• North America
o US
o Canada
o Mexico
• Europe
o Germany
o France
o Italy
o UK
o Spain
o Rest of Europe
• Asia Pacific
o Japan
o China
o India
o Australia
o New Zealand
o Rest of Asia Pacific
• Rest of the World
o Middle East
o Brazil
o Argentina
o South Africa
o 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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