

Terahertz Technology Market by Terahertz Imaging, Terahertz Spectroscopy, Terahertz Communication Systems, Laboratory Research, Medical & Healthcare, Industrial NDT, Outdoor/Indoor Wireless Communications - Global Forecast to 2030

Market Report | 2025-09-16 | 205 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

The Terahertz Technology market is expected to grow from USD 818.7 million in 2025 to USD 1,706.5 million by 2030, at a CAGR of 15.8%. Growth is primarily fueled by the expanding adoption of terahertz imaging and spectroscopy in the medical and healthcare sector, where it enables non-ionizing, high-resolution diagnostics, coating integrity checks, and pharmaceutical quality control. At the same time, increasing investments in military and homeland security are driving demand for terahertz systems used in non-invasive screening to detect explosives and concealed threats. Another major growth catalyst is the advancement of next-generation communication technologies, as terahertz frequencies support ultra-fast, secure wireless data transfer for satellite, tactical, and indoor/outdoor communications. In addition, terahertz solutions are being adopted in laboratory research for molecular analysis and in industrial non-destructive testing (NDT) to evaluate structural integrity without causing damage. Together, these diverse application areas position terahertz technology as a critical enabler across healthcare, defense, communications, and industrial domains, sustaining strong market expansion worldwide.

<https://www.marketsandmarkets.com/Images/terahertz-technology-market.webp>

The medical & healthcare applications accounted for the second-largest market share in 2024.

The medical & healthcare application represents the second largest share of the terahertz technology market in 2024, supported by its growing role in non-invasive diagnostics and pharmaceutical quality control. Terahertz systems are increasingly utilized for applications such as early disease detection, tissue characterization, and dental imaging, owing to their ability to deliver high-resolution, non-ionizing imaging that is safer than conventional methods. In addition, pharmaceutical companies are adopting terahertz spectroscopy to analyze coating thickness, crystallinity, and impurity levels, ensuring product quality and

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

regulatory compliance. Hospitals, research institutions, and life sciences companies are also integrating these systems to advance precision medicine and improve treatment outcomes. The rising demand for safer diagnostic technologies, coupled with the need for reliable quality assurance in drug development, has positioned medical and healthcare as one of the most promising end-use sectors. As innovation accelerates, particularly in imaging and point-of-care applications, this segment continues to expand its contribution to the global terahertz technology market.

The terahertz imaging segment is projected to register the second-highest CAGR during the forecast period.

The terahertz imaging segment is projected to register the second-highest CAGR in the terahertz technology market during the forecast period, driven by its expanding use across healthcare, security, and industrial applications. In the medical and healthcare sector, terahertz imaging is gaining traction for non-invasive diagnostics, enabling detailed visualization of tissues without harmful radiation. Similarly, in military and homeland security, it is increasingly deployed to detect concealed weapons and explosives, offering a safer and more effective alternative to conventional scanning methods. The technology is also being adopted in industrial non-destructive testing (NDT), where it ensures precise inspection of materials and components without causing damage. The growing emphasis on high-resolution, real-time imaging, combined with advancements in compact and portable systems, is fueling wider adoption across both commercial and research domains. As industries continue to prioritize safety, quality assurance, and advanced diagnostic solutions, terahertz imaging is set to play a pivotal role in shaping market growth over the coming years.

Canada is estimated to register the highest CAGR in the North American terahertz technology market during the forecast period. Canada is anticipated to record the highest CAGR in the North American terahertz technology market over the forecast period, driven by increasing investments in medical research, defense modernization, and advanced communication technologies. Canadian universities and research institutes are actively exploring terahertz applications in biomedical imaging and pharmaceutical testing, creating strong demand for spectroscopy and imaging systems. At the same time, government initiatives to enhance homeland security and defense capabilities are fostering the adoption of terahertz-based screening and detection systems for threat identification. Furthermore, the growing participation of Canada in developing next-generation wireless communication infrastructure, including 6G research, is accelerating interest in terahertz frequencies for ultra-fast data transfer. The strong research activity, rising healthcare innovation, and supportive government programs position Canada as a leading growth market for terahertz technology in North America.

Breakdown of Primaries

A variety of executives from key organizations operating in the terahertz technology market were interviewed in-depth, including CEOs, marketing directors, and innovation and technology directors.□

-□By Company Type: Tier 1-35%, Tier 2- 40%, and Tier 3-25%

-□By Designation: C-level Executives-30%, Directors-40%, and Others-30%

-□By Region: North America-40%, Europe -32%, Asia Pacific -23%, and Rest of the World-5%

The terahertz technology market is dominated by globally established players such as ADVANTEST CORPORATION (Japan), HUBNER GmbH & Co. KG (Germany), TOPTICA Photonics AG (Germany), Gentec Electro-Optics (Canada), Luna Innovations (US), Menlo Systems (Germany), TeraView Limited (UK), Terasense Group Inc. (US), QMC Instruments Ltd. (UK), and Quantum Design Inc. (US). The study includes an in-depth competitive analysis of these key players in the terahertz technology market, as well as their company profiles, recent developments, and key market strategies.

Study Coverage

The report segments the terahertz technology market and forecasts its size by type, application, and region. It also discusses the market's drivers, restraints, opportunities, and challenges. It gives a detailed view of the market across four main regions: North America, Europe, Asia Pacific, and Rest of the World. The report includes a supply chain analysis, along with the key players and

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

their competitive analysis of the terahertz technology ecosystem.

Key Benefits of Buying the Report

- Analysis of key drivers (increasing emphasis on public safety and security, growing integration of terahertz in medical imaging and diagnostics), restraints (limited awareness and expertise across end-use industries, and complex integration with existing systems), opportunities (increasing focus on 6G and ultra-high-speed communications, booming automotive sector for advanced driver assistance systems, and growing investment in quantum and ultrafast optics research), and challenges (technical barriers to generating and detecting stable terahertz signals) influencing the growth of the terahertz technology market
- Products/Solution/Service Development/Innovation: Detailed insights into upcoming technologies, research and development activities, and new product/solution/service launches in the terahertz technology market
- Market Development: Comprehensive information about lucrative markets-the report analyses the terahertz technology market across varied regions.
- Market Diversification: Exhaustive information about new products/solutions/services, untapped geographies, recent developments, and investments in the terahertz technology market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players such as ADVANTEST CORPORATION (Japan), HUBNER GmbH & Co. KG (Germany), TOPTICA Photonics AG (Germany), Luna Innovations (US), and Thorlabs, Inc. (US), among others.

Table of Contents:

1	INTRODUCTION	23
1.1	STUDY OBJECTIVES	23
1.2	MARKET DEFINITION AND SCOPE	24
1.2.1	INCLUSIONS AND EXCLUSIONS	24
1.2.2	MARKETS COVERED	25
1.2.3	YEARS CONSIDERED	26
1.3	CURRENCY	26
1.4	STAKEHOLDERS	26
1.5	SUMMARY OF CHANGES	27
2	RESEARCH METHODOLOGY	28
2.1	RESEARCH DATA	28
2.1.1	SECONDARY DATA	29
2.1.1.1	Key data from secondary sources	29
2.1.1.2	List of key secondary sources	29
2.1.2	PRIMARY DATA	30
2.1.2.1	Key data from primary sources	30
2.1.2.2	List of primary interview participants	30
2.1.2.3	Breakdown of primaries	31
2.1.2.4	Key industry insights	31
2.1.3	SECONDARY AND PRIMARY RESEARCH	32
2.2	MARKET SIZE ESTIMATION METHODOLOGY	32
2.2.1	BOTTOM-UP APPROACH	34
2.2.1.1	Approach to arrive at market size using bottom-up analysis (demand side)	34
2.2.2	TOP-DOWN APPROACH	35
2.2.2.1	Approach to arrive at market size using top-down analysis (supply side)	35
2.3	MARKET SHARE ESTIMATION	35
2.4	DATA TRIANGULATION	36
2.5	RISK ANALYSIS	37

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.6	RESEARCH ASSUMPTIONS	37
2.7	RESEARCH LIMITATIONS	38
3	EXECUTIVE SUMMARY	39
	?	
4	PREMIUM INSIGHTS	43
4.1	ATTRACTIVE GROWTH OPPORTUNITIES IN TERAHERTZ TECHNOLOGY MARKET	43
4.2	TERAHERTZ TECHNOLOGY MARKET, BY TYPE	43
4.3	TERAHERTZ TECHNOLOGY MARKET, BY APPLICATION	44
4.4	TERAHERTZ TECHNOLOGY MARKET, BY REGION	44
4.5	TERAHERTZ TECHNOLOGY MARKET, BY COUNTRY	45
5	MARKET OVERVIEW	46
5.1	INTRODUCTION	46
5.2	MARKET DYNAMICS	46
5.2.1	DRIVERS	47
5.2.1.1	Increasing use in security screening and surveillance applications	47
5.2.1.2	Rise in applications in medical imaging and diagnostics	47
5.2.2	RESTRAINTS	48
5.2.2.1	Limited awareness and expertise across end-user industries	48
5.2.2.2	Complex integration with existing systems	48
5.2.3	OPPORTUNITIES	49
5.2.3.1	Role in 6G and ultra-high-speed communications	49
5.2.3.2	Expansion into automotive sector with Advanced Driver Assistance Systems (ADAS)	50
5.2.3.3	Growing investment in quantum and ultrafast optics research	50
5.2.4	CHALLENGES	51
5.2.4.1	Technical barriers to generating and detecting stable terahertz signals	51
5.3	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	52
5.4	PRICING ANALYSIS	53
5.4.1	AVERAGE SELLING PRICE TREND, BY REGION	53
5.4.2	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TYPE	54
5.5	SUPPLY CHAIN ANALYSIS	55
5.6	ECOSYSTEM ANALYSIS	56
5.7	TECHNOLOGY ANALYSIS	57
5.7.1	KEY TECHNOLOGIES	57
5.7.1.1	Terahertz detectors	57
5.7.1.2	Terahertz imaging systems	57
5.7.1.3	Terahertz spectroscopy	57
5.7.2	COMPLEMENTARY TECHNOLOGIES	58
5.7.2.1	Photonic integration	58
5.7.3	ADJACENT TECHNOLOGIES	58
5.7.3.1	Infrared and optical imaging	58
5.7.3.2	Nanotechnology	58
5.8	PATENT ANALYSIS	59
	?	
5.9	TRADE ANALYSIS	60
5.9.1	EXPORT SCENARIO	60
5.9.2	IMPORT SCENARIO	61
5.10	KEY CONFERENCES AND EVENTS	62

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.11	CASE STUDY ANALYSIS	63
5.11.1	NVIDIA LEVERAGED TERAVIEW TERAHERTZ TECHNOLOGY TO OVERCOME CHIP-LEVEL FAULT ANALYSIS CHALLENGES	63
5.11.2	LUNA INNOVATIONS AND BRIDGESTONE ENHANCED TIRE RELIABILITY WITH TERAHERTZ-BASED MEASUREMENT SOLUTIONS	63
5.11.3	ENHANCED CHIP-LEVEL FAULT ANALYSIS WITH TERAHERTZ TIME-DOMAIN REFLECTOMETRY DRIVING PRECISION AND RELIABILITY	64
5.12	REGULATORY LANDSCAPE	64
5.12.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	64
5.12.2	KEY REGULATIONS	65
5.13	PORTER'S FIVE FORCES ANALYSIS	65
5.13.1	THREAT OF NEW ENTRANTS	67
5.13.2	THREAT OF SUBSTITUTES	67
5.13.3	BARGAINING POWER OF SUPPLIERS	67
5.13.4	BARGAINING POWER OF BUYERS	67
5.13.5	INTENSITY OF COMPETITIVE RIVALRY	68
5.14	KEY STAKEHOLDERS AND BUYING CRITERIA	68
5.14.1	KEY STAKEHOLDERS IN BUYING PROCESS	68
5.14.2	BUYING CRITERIA	69
5.15	IMPACT OF ARTIFICIAL INTELLIGENCE ON TERAHERTZ TECHNOLOGY MARKET	69
5.15.1	INTRODUCTION	69
5.16	IMPACT OF 2025 US TARIFF - TERAHERTZ TECHNOLOGY MARKET	70
5.16.1	INTRODUCTION	70
5.16.2	KEY TARIFF RATES	71
5.16.3	PRICE IMPACT ANALYSIS	72
5.16.4	IMPACT OF COUNTRY/REGION	72
5.16.4.1	US	72
5.16.4.2	Europe	73
5.16.4.3	Asia Pacific	73
5.16.5	IMPACT ON APPLICATION	73
6	TERAHERTZ TECHNOLOGY MARKET, BY TYPE	75
6.1	INTRODUCTION	76
6.2	TERAHERTZ IMAGING	78
6.2.1	TRANSFORMING NON-INVASIVE DIAGNOSTICS AND HIGH-PRECISION SECURITY SCREENING USING NEXT-GENERATION TERAHERTZ IMAGING	78
6.2.1.1	Active terahertz imaging systems	79
6.2.1.2	Passive terahertz imaging systems	79
6.3	TERAHERTZ SPECTROSCOPY	79
6.3.1	HARNESSING TERAHERTZ SPECTROSCOPY AS STRATEGIC ENABLER FOR NEXT-WAVE BIOMEDICAL AND PHARMA GROWTH	79
6.3.1.1	Terahertz time-domain spectroscopy	80
6.3.1.2	Terahertz frequency-domain spectroscopy	81
6.4	TERAHERTZ COMMUNICATION SYSTEMS	81
6.4.1	HARNESSING TERAHERTZ FREQUENCY BANDS TO ENABLE SCALABLE HIGH SPEED WIRELESS COMMUNICATION	81
6.4.1.1	Antennas	82
6.4.1.2	Emitters	82
6.4.1.3	Modulators	83
7	TERAHERTZ TECHNOLOGY MARKET, BY APPLICATION	84
7.1	INTRODUCTION	85

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.2	LABORATORY RESEARCH	86
7.2.1	ADVANCING SCIENTIFIC FRONTIERS THROUGH TERAHERTZ-ENABLED HIGH-PRECISION LABORATORY RESEARCH SOLUTIONS	86
7.2.1.1	Material characterization	86
7.2.1.2	Biochemistry	87
7.2.1.3	Plasma diagnostics	87
7.3	MEDICAL & HEALTHCARE	90
7.3.1	LEVERAGING TERAHERTZ IMAGING FOR NON-IONIZING, HIGH-PRECISION DIAGNOSTICS IN NEXT-GEN HEALTHCARE	90
7.3.1.1	Oncology	91
7.3.1.2	Dentistry	91
7.3.1.3	Dermatology	91
7.3.1.4	Tomography	91
7.4	MILITARY & HOMELAND SECURITY	94
7.4.1	ADVANCING DEFENSE AND SECURITY CAPABILITIES THROUGH TERAHERTZ-DRIVEN THREAT DETECTION AND HIGH-SPEED COMMUNICATIONS	94
7.4.1.1	Passenger screening	95
7.4.1.2	Landmine and improvised explosive device detection	95
7.5	INDUSTRIAL NON-DESTRUCTIVE TESTING (NDT)	98
7.5.1	UNLOCKING STRATEGIC VALUE THROUGH TERAHERTZ-DRIVEN, HIGH-PRECISION NON-DESTRUCTIVE TESTING SOLUTIONS	98
7.5.1.1	Aerospace	99
7.5.1.2	Semiconductor and electronics	99
7.5.1.3	Pharmaceuticals	99
7.6	SATELLITE COMMUNICATIONS	102
7.6.1	LEVERAGING INTER-SATELLITE COMMUNICATIONS TO ENHANCE BANDWIDTH, SECURITY, AND ORBITAL ASSET MONITORING	102
7.7	TACTICAL/MILITARY COMMUNICATIONS	106
7.7.1	TRANSFORMING TACTICAL CONNECTIVITY THROUGH TERAHERTZ-ENABLED ULTRA-SECURE, HIGH-BANDWIDTH BATTLEFIELD COMMUNICATIONS	106
7.8	OUTDOOR/INDOOR WIRELESS COMMUNICATIONS	109
7.8.1	UNLOCKING ULTRA-HIGH DATA THROUGHPUT VIA SHORT-RANGE, LOW-TERAHERTZ WIRELESS NETWORK INNOVATION	109
8	TERAHERTZ TECHNOLOGY: SOURCES AND DETECTORS	113
8.1	INTRODUCTION	113
8.2	THZ SOURCES	113
8.2.1	QUANTUM-CASCADE LASER (QCL)	113
8.2.2	FREQUENCY MULTIPLIER	113
8.2.3	GLOBAR	114
8.2.4	PHOTOCONDUCTIVE ANTENNA (PCA)	114
8.2.5	STIMULATED TERAHERTZ AMPLIFIED RADIATION (STAR)	114
8.3	DETECTORS	115
8.3.1	SCHOTTKY DIODE	115
8.3.2	HIGH ELECTRON MOBILITY TRANSISTOR (HEMT)	115
8.3.3	NANOWIRE	115
8.3.4	PYROELECTRIC DETECTOR	116
8.3.5	GOLAY CELL	116
8.3.6	BOLOMETER AND SUPERCONDUCTIVE HOT-SPOT AIR-BRIDGE BOLOMETER (SHAB)	116
9	TERAHERTZ TECHNOLOGY MARKET, BY REGION	117
9.1	INTRODUCTION	118

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

9.2	NORTH AMERICA	119
9.2.1	MACROECONOMIC OUTLOOK FOR NORTH AMERICA	121
9.2.2	US	121
9.2.2.1	Academic leadership and stratospheric mission validations to accelerate commercialization of terahertz systems	121
9.2.3	CANADA	122
9.2.3.1	Healthcare innovation and cancer diagnostics drive adoption of non-ionizing terahertz imaging solutions	122
9.2.4	MEXICO	123
9.2.4.1	Telecom reforms and national research infrastructure to strengthen Mexico's terahertz technology capabilities	123
9.3	EUROPE	124
9.3.1	MACROECONOMIC OUTLOOK FOR EUROPE	127
9.3.2	UK	127
9.3.2.1	Research excellence and breakthroughs to drive commercialization of terahertz applications in UK	127
9.3.3	GERMANY	128
9.3.3.1	Germany to fuel market leadership through breakthroughs in terahertz imaging and 6G-enabled systems	128
9.3.4	FRANCE	129
9.3.4.1	France to strengthen terahertz ecosystem through strategic investments in security, telecom, and industrial modernization	129
9.3.5	ITALY	131
9.3.5.1	Italy to strengthen global terahertz positioning through quantum devices and industrial integration	131
9.3.6	SPAIN	132
9.3.6.1	Spain to position terahertz as strategic enabler for industrial and healthcare innovation	132
9.3.7	REST OF EUROPE	133
9.4	ASIA PACIFIC	134
9.4.1	MACROECONOMIC OUTLOOK FOR ASIA PACIFIC	136
9.4.2	JAPAN	137
9.4.2.1	Innovations in terahertz devices and 6G demonstrations to drive Japan's market growth across telecom and connectivity sectors	137
9.4.3	CHINA	138
9.4.3.1	Economic expansion and semiconductor autonomy to support China's terahertz technology market growth	138
9.4.4	INDIA	139
9.4.4.1	India to accelerate terahertz adoption through health, wellness, and defense-focused technological innovations	139
9.4.5	SOUTH KOREA	140
9.4.5.1	South Korea to expand terahertz commercialization through 6G innovation and cross-industry adoption	140
9.4.6	REST OF ASIA PACIFIC	141
9.5	REST OF THE WORLD (ROW)	142
9.5.1	MACROECONOMIC OUTLOOK FOR ROW	144
9.5.2	MIDDLE EAST & AFRICA	144
9.5.2.1	Unlocking strategic value of terahertz in next-gen connectivity and cultural asset preservation to support market growth	144
9.5.3	SOUTH AMERICA	145
9.5.3.1	Advancing terahertz innovation to drive South America's science and industry landscape	145
10	COMPETITIVE LANDSCAPE	147
10.1	INTRODUCTION	147
10.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	147
10.3	REVENUE ANALYSIS, 2021?2024	149
10.4	MARKET SHARE ANALYSIS, 2024	149
10.5	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	152

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.5.1	STARS	152
10.5.2	EMERGING LEADERS	152
10.5.3	PERVASIVE PLAYERS	152
10.5.4	PARTICIPANTS	152
	?	
10.5.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	154
10.5.5.1	Company footprint	154
10.5.5.2	Regional footprint	154
10.5.5.3	Application footprint	155
10.5.5.4	Type footprint	156
10.6	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	157
10.6.1	PROGRESSIVE COMPANIES	157
10.6.2	RESPONSIVE COMPANIES	157
10.6.3	DYNAMIC COMPANIES	157
10.6.4	STARTING BLOCKS	157
10.6.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	159
10.6.5.1	Detailed list of key startups/SMEs	159
10.6.5.2	Competitive benchmarking of key startups/SMEs	159
10.7	COMPETITIVE SCENARIO	161
10.7.1	PRODUCT LAUNCHES	161
10.7.2	DEALS	162
10.7.3	EXPANSIONS	163
10.7.4	OTHER DEVELOPMENTS	163
11	COMPANY PROFILES	164
11.1	KEY PLAYERS	164
11.1.1	ADVANTEST CORPORATION	164
11.1.1.1	Business overview	164
11.1.1.2	Products/solutions/services offered	165
11.1.1.3	Recent developments	166
11.1.1.3.1	Product launches	166
11.1.1.3.2	Deals	167
11.1.1.3.3	Other developments	167
11.1.1.4	MnM view	167
11.1.1.4.1	Key strengths/right to win	167
11.1.1.4.2	Strategic choices made	167
11.1.1.4.3	Weaknesses and competitive threats	167
11.1.2	LUNA INNOVATIONS	168
11.1.2.1	Business overview	168
11.1.2.2	Products/solutions/services offered	168
11.1.2.2.1	Expansions	169
11.1.2.2.2	Other developments	169
11.1.2.3	MnM view	169
11.1.2.3.1	Key strengths/right to win	169
11.1.2.3.2	Strategic choices made	170
11.1.2.3.3	Weaknesses and competitive threats	170
	?	
11.1.3	TERAVIEW LIMITED	171

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

11.1.3.1	Business overview	171
11.1.3.2	Products/solutions/services offered	171
11.1.3.3	Recent developments	172
11.1.3.3.1	Product launches	172
11.1.3.3.2	Deals	172
11.1.3.4	MnM view	173
11.1.3.4.1	Key strengths/right to win	173
11.1.3.4.2	Strategic choices	173
11.1.3.4.3	Weaknesses and competitive threats	173
11.1.4	TOPTICA PHOTONICS AG	174
11.1.4.1	Business overview	174
11.1.4.2	Products/solutions/services offered	174
11.1.4.3	MnM view	175
11.1.4.3.1	Key strengths/right to win	175
11.1.4.3.2	Strategic choices made	175
11.1.4.3.3	Weaknesses and competitive threats	175
11.1.5	HUBNER GMBH & CO. KG	176
11.1.5.1	Business overview	176
11.1.5.2	Products/solutions/services offered	176
11.1.5.3	Recent developments	177
11.1.5.3.1	Product launches	177
11.1.5.3.2	Deals	177
11.1.5.4	MnM view	177
11.1.5.4.1	Key strengths/right to win	177
11.1.5.4.2	Strategic choices	177
11.1.5.4.3	Weaknesses and competitive threats	178
11.1.6	MENLO SYSTEMS	179
11.1.6.1	Business overview	179
11.1.6.2	Products/solutions/services offered	179
11.1.6.3	Recent developments	180
11.1.6.3.1	Product launches	180
11.1.6.3.2	Expansions	180
11.1.7	TERASENSE GROUP INC.	181
11.1.7.1	Business overview	181
11.1.7.2	Products/solutions/services offered	181
11.1.7.3	Recent developments	182
11.1.7.3.1	Product launches	182
11.1.8	GENTEC ELECTRO-OPTICS	183
11.1.8.1	Business overview	183
11.1.8.2	Products/solutions/services offered	183
?		
11.1.9	QMC INSTRUMENTS LTD.	184
11.1.9.1	Business overview	184
11.1.9.2	Products/solutions/services offered	184
11.1.10	TERAVIL LTD	185
11.1.10.1	Business overview	185
11.1.10.2	Products/solutions/services offered	185

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.2 OTHER PLAYERS 187
 - 11.2.1 VIRGINIA DIODES, INC. 187
 - 11.2.2 MICROTECH INSTRUMENTS 188
 - 11.2.3 SWISSTO12 188
 - 11.2.4 DEL MAR PHOTONICS, INC. 189
 - 11.2.5 INSIGHT PRODUCT COMPANY 190
 - 11.2.6 BATOP GMBH 191
 - 11.2.7 LYTID SAS 191
 - 11.2.8 TYDEX 192
 - 11.2.9 QUANTUM DESIGN INC. 193
 - 11.2.10 RAYSECUR, INC. 194
 - 11.2.11 LONGWAVE PHOTONICS LLC 194
 - 11.2.12 BRIDGE12 TECHNOLOGIES, INC. 195
 - 11.2.13 ACAL BFI 196
 - 11.2.14 THORLABS, INC. 197
 - 11.2.15 SCIENCETECH INC. 198
- 12 APPENDIX 199
 - 12.1 DISCUSSION GUIDE 199
 - 12.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL 201
 - 12.3 CUSTOMIZATION OPTIONS 203
 - 12.4 RELATED REPORTS 203
 - 12.5 AUTHOR DETAILS 204

Terahertz Technology Market by Terahertz Imaging, Terahertz Spectroscopy, Terahertz Communication Systems, Laboratory Research, Medical & Healthcare, Industrial NDT, Outdoor/Indoor Wireless Communications - Global Forecast to 2030

Market Report | 2025-09-16 | 205 pages | MarketsandMarkets

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-03-08

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com