

Environmental Testing Products - Company Evaluation Report, 2024

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Report description:

The Environmental Testing Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Environmental Testing. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 120 companies, of which the Top 15 Environmental Testing Companies were categorized and recognized as the quadrant leaders.

The market is experiencing strong growth, driven by stringent environmental regulations, rapid industrialization, and heightened awareness of pollution's health impacts. Governments across the globe are enforcing strict compliance standards for air, water, and soil quality, prompting industries to adopt advanced environmental testing solutions. Additionally, climate change initiatives and sustainability targets are accelerating the demand for real-time monitoring systems, IoT-enabled sensors, and AI-powered analytics. Rising incidents of soil and water contamination, along with the expansion of renewable energy projects and smart city developments, are further boosting market demand. As both industries and governments place greater emphasis on environmental protection, the need for accurate, efficient, and technology-driven testing solutions continues to grow.

The 360 Quadrant maps the Environmental Testing companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Environmental Testing quadrant. The top criteria for product footprint evaluation included the tested material (microbial contamination, organic compounds, heavy metals, residues, and solids). By sample (wastewater or effluent, soil, air, and others, such as fuel and chemicals). By technology (rapid testing, conventional methods). By end user (agriculture & irrigation sector, government institutes, research and academic institutions, healthcare, industries, and forestry & geology).

Key Players:

Some of the prominent players are Agilent Technologies, Inc. (US), Thermo Fisher Scientific Inc. (US), Danaher Corporation (US), Waters Corporation (US), Merck KGaA (Germany), and others. These players are increasingly focusing on product launches and enhancements, investments, partnerships, collaborations, joint ventures, funding, acquisitions, expansions, agreements, sales contracts, and alliances to strengthen their presence in the global market.

Top 3 Companies

Agilent Technologies, Inc.

Agilent Technologies is a global leader in the life sciences, diagnostics, and applied chemical markets, offering a comprehensive suite of solutions that includes instruments, software, services, and consumables designed to support the entire laboratory

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workflow. The company operates across three core business segments: Life Sciences and Applied Markets, Diagnostics and Genomics, and Agilent CrossLab. Within the Life Sciences and Applied Markets segment, Agilent provides advanced instrumentation such as liquid chromatography/mass spectrometry (LC/MS), gas chromatography/mass spectrometry (GC/MS), and inductively coupled plasma mass spectrometry (ICP-MS)-key technologies used in environmental testing and related applications.

Merck KGaA

Merck KGaA is a global science and technology company involved in the development, production, marketing, and distribution of pharmaceuticals, biopharmaceuticals, specialty chemicals, high-performance materials, and life science tools. In 2015, Merck KGaA significantly expanded its footprint in the life sciences sector through the acquisition of Sigma-Aldrich (US). The company is structured into three main business segments: Healthcare (including Merck Serono, Consumer Health, Allergopharma, and Biosimilars), Performance Materials, and Life Science (operated under the Merck Millipore brand). Within the Life Science segment, Merck Millipore offers cutting-edge solutions for PFAS trace analysis, supporting environmental testing and regulatory compliance. Merck KGaA maintains a strong global presence with operations across Europe, North America, Latin America, Asia Pacific, and Africa. Its major subsidiaries include Merck Serono GmbH, Merck Consumer Health Holding GmbH, Merck Selbstmedikation, Merck Chemicals GmbH, and Merck Schuchardt OHG, all headquartered in Germany.

PerkinElmer

PerkinElmer is a prominent provider of technologies, services, and solutions catering to the diagnostics, life sciences, environmental, industrial, and laboratory sectors. In March 2023, its Life Science and Diagnostics division was spun off into a separate entity named Revvity, allowing the company to streamline its focus. PerkinElmer operates through two main segments: Discovery & Analytical Solutions and Diagnostics. Within the Discovery & Analytical Solutions segment-specifically under the Applied Markets division-PerkinElmer offers a broad range of mass spectrometry instruments used in environmental analysis and other scientific applications. Its customer base includes pharmaceutical and biotech companies, as well as academic and research institutions.

Table of Contents:

1	INTRODUCTION	14
1.1	MARKET DEFINITION	14
1.2	INCLUSIONS & EXCLUSIONS	14
1.3	MARKET STAKEHOLDERS	14
2	EXECUTIVE SUMMARY	15
3	MARKET OVERVIEW	19
3.1	INTRODUCTION	19
3.2	MARKET DYNAMICS	19
3.2.1	DRIVERS	20
3.2.1.1	Rising technological innovations in environmental testing	20
3.2.1.2	Growing public awareness related to health impact of pollution	20
3.2.1.3	Development of portable and real-time environmental monitoring technologies	22
3.2.1.4	Increased participation of government and regulatory bodies in monitoring environmental conditions	22
3.2.2	RESTRAINTS	23
3.2.2.1	Expensive consumables and high maintenance cost of mass spectrometry instruments	23
3.2.2.2	Technological limitations in mass spectrometry	24
3.2.3	OPPORTUNITIES	24
3.2.3.1	Increasing government focus on contaminant detection	24
3.2.3.2	Increased utilization of AI-driven analytical tools to detect air and soil pollution	25
3.2.3.3	Advancements in environmental testing infrastructure	25
3.2.4	CHALLENGES	26

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3.2.4.1	Increased operational complexity of mass spectrometry products	26
3.2.4.2	Lack of skilled professionals	26
3.3	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	27
3.4	VALUE CHAIN ANALYSIS	27
3.4.1	RESEARCH & PRODUCT DEVELOPMENT	28
3.4.2	RAW MATERIAL PROCUREMENT AND MANUFACTURING	29
3.4.3	DISTRIBUTION AND MARKETING & SALES	29
3.4.4	POST-SALES SERVICES	29
3.5	SUPPLY CHAIN ANALYSIS	29
3.5.1	PROMINENT COMPANIES	30
3.5.2	SMALL AND MEDIUM-SIZED ENTERPRISES	30
3.5.3	DISTRIBUTORS	30
3.5.4	END USERS	30
3.6	ECOSYSTEM ANALYSIS	31
3.6.1	ROLE IN ECOSYSTEM	31
3.7	TECHNOLOGY ANALYSIS	32
3.7.1	KEY TECHNOLOGIES	32
3.7.1.1	Mass spectrometry (MS)	32
3.7.1.2	Liquid chromatography-mass spectrometry (LC-MS)	32
3.7.1.3	Gas chromatography-mass spectrometry (GC-MS)	32
3.7.2	COMPLEMENTARY TECHNOLOGIES	33
3.7.2.1	Laboratory process automation	33
3.7.2.2	Cloud computing	33
3.7.3	ADJACENT TECHNOLOGIES	33
3.7.3.1	Environmental sensors	33
3.8	PATENT ANALYSIS	34
3.9	KEY CONFERENCES & EVENTS, 2025-2026	35
3.10	PORTER'S FIVE FORCE ANALYSIS	36
3.10.1	BARGAINING POWER OF SUPPLIERS	37
3.10.2	BARGAINING POWER OF BUYERS	37
3.10.3	THREAT OF NEW ENTRANTS	38
3.10.4	THREAT OF SUBSTITUTES	38
3.10.5	INTENSITY OF COMPETITIVE RIVALRY	38
3.11	UNMET NEEDS	38
3.12	IMPACT OF GEN AI/AI ON ENVIRONMENTAL TESTING PRODUCTS MARKET	39
3.12.1	MARKET POTENTIAL OF ENVIRONMENTAL TESTING PRODUCTS	39
3.12.2	AI USE CASES	39
3.12.3	KEY COMPANIES IMPLEMENTING AI	40
3.12.4	FUTURE OF AI IN ENVIRONMENTAL TESTING PRODUCTS ECOSYSTEM	40
4	COMPETITIVE LANDSCAPE	41
4.1	OVERVIEW	41
4.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	41
4.2.1	OVERVIEW OF STRATEGIES ADOPTED BY PLAYERS IN ENVIRONMENTAL TESTING PRODUCTS MARKET	42
4.3	REVENUE ANALYSIS, 2019-2023	44
4.4	MARKET SHARE ANALYSIS, 2023	45
4.5	COMPANY VALUATION AND FINANCIAL METRICS	47
4.5.1	COMPANY VALUATION	47

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4.5.2	FINANCIAL METRICS	47
4.6	BRAND/PRODUCT COMPARISON	48
4.7	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	49
4.7.1	STARS	49
4.7.2	EMERGING LEADERS	49
4.7.3	PERVASIVE PLAYERS	49
4.7.4	PARTICIPANTS	49
4.7.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	51
4.7.5.1	Company footprint	51
4.7.5.2	Region footprint	52
4.7.5.3	Type footprint	53
4.7.5.4	Technology footprint	53
4.7.5.5	Application footprint	54
4.7.5.6	End-user footprint	55
4.8	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	56
4.8.1	PROGRESSIVE COMPANIES	56
4.8.2	RESPONSIVE COMPANIES	56
4.8.3	DYNAMIC COMPANIES	56
4.8.4	STARTING BLOCKS	56
4.8.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	58
4.8.5.1	Detailed list of key startups/SMEs	58
4.8.5.2	Competitive benchmarking of key startups/SMEs	59
4.9	COMPETITIVE SCENARIO	60
4.9.1	PRODUCT LAUNCHES	60
4.9.2	DEALS	61
4.9.3	EXPANSIONS	62
5	COMPANY PROFILES	63
5.1	KEY PLAYERS	63
5.1.1	AGILENT TECHNOLOGIES, INC.	63
5.1.1.1	Business overview	63
5.1.1.2	Products/Solutions offered	64
5.1.1.3	Recent developments	68
5.1.1.3.1	Product launches and upgrades	68
5.1.1.3.2	Deals	68
5.1.1.3.3	Expansions	69
5.1.1.4	MnM view	69
5.1.1.4.1	Right to win	69
5.1.1.4.2	Strategic choices	70
5.1.1.4.3	Weaknesses and competitive threats	70
5.1.2	THERMO FISHER SCIENTIFIC INC.	71
5.1.2.1	Business overview	71
5.1.2.2	Products/Solutions offered	72
5.1.2.3	Recent developments	75
5.1.2.3.1	Product launches and upgrades	75
5.1.2.3.2	Deals	76
5.1.2.3.3	Expansions	76
?		

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- 5.1.2.4 □ MnM view □ 77
- 5.1.2.4.1 □ Right to win □ 77
- 5.1.2.4.2 □ Strategic choices □ 77
- 5.1.2.4.3 □ Weaknesses and competitive threats □ 77
- 5.1.3 □ WATERS CORPORATION □ 78
- 5.1.3.1 □ Business overview □ 78
- 5.1.3.2 □ Products/Solutions offered □ 79
- 5.1.3.3 □ Recent developments □ 81
- 5.1.3.3.1 □ Product launches and upgrades □ 81
- 5.1.3.3.2 □ Deals □ 82
- 5.1.3.3.3 □ Expansions □ 83
- 5.1.3.4 □ MnM view □ 83
- 5.1.3.4.1 □ Right to win □ 83
- 5.1.3.4.2 □ Strategic choices □ 83
- 5.1.3.4.3 □ Weaknesses and competitive threats □ 83
- 5.1.4 □ DANAHER □ 84
- 5.1.4.1 □ Business overview □ 84
- 5.1.4.2 □ Products/Solutions offered □ 85
- 5.1.4.3 □ Recent developments □ 88
- 5.1.4.3.1 □ Product launches and upgrades □ 88
- 5.1.4.3.2 □ Deals □ 89
- 5.1.4.3.3 □ Expansions □ 90
- 5.1.4.4 □ MnM view □ 90
- 5.1.4.4.1 □ Right to win □ 90
- 5.1.4.4.2 □ Strategic choices □ 90
- 5.1.4.4.3 □ Weaknesses and competitive threats □ 90
- 5.1.5 □ BRUKER □ 91
- 5.1.5.1 □ Business overview □ 91
- 5.1.5.2 □ Products/Solutions offered □ 92
- 5.1.5.3 □ Recent developments □ 95
- 5.1.5.3.1 □ Product launches and upgrades □ 95
- 5.1.5.3.2 □ Deals □ 95
- 5.1.5.3.3 □ Expansions □ 96
- 5.1.5.4 □ MnM view □ 96
- 5.1.5.4.1 □ Right to win □ 96
- 5.1.5.4.2 □ Strategic choices □ 96
- 5.1.5.4.3 □ Weaknesses and competitive threats □ 96
- 5.1.6 □ SHIMADZU CORPORATION □ 97
- 5.1.6.1 □ Business overview □ 97
- 5.1.6.2 □ Products/Solutions offered □ 98
- ?
- 5.1.6.3 □ Recent developments □ 102
- 5.1.6.3.1 □ Product launches and upgrades □ 102
- 5.1.6.3.2 □ Deals □ 103
- 5.1.6.3.3 □ Expansions □ 104
- 5.1.7 □ PERKINELMER □ 105
- 5.1.7.1 □ Business overview □ 105

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5.1.7.2	Products/Solutions offered	106
5.1.7.3	Recent developments	108
5.1.7.3.1	Product launches and upgrades	108
5.1.7.3.2	Deals	108
5.1.8	JEOL LTD.	109
5.1.8.1	Business overview	109
5.1.8.2	Products/Solutions offered	110
5.1.8.3	Recent developments	111
5.1.8.3.1	Product launches and upgrades	111
5.1.9	HITACHI HIGH-TECH CORPORATION	112
5.1.9.1	Business overview	112
5.1.9.2	Products/Solutions offered	113
5.1.9.2.1	Other developments	114
5.1.10	TELEDYNE TECHNOLOGIES INCORPORATED	115
5.1.10.1	Business overview	115
5.1.10.2	Products/Solutions offered	116
5.1.10.3	Recent developments	117
5.1.10.3.1	Deals	117
5.1.11	AMETEK, INC.	118
5.1.11.1	Business overview	118
5.1.11.2	Products/Solutions offered	119
5.1.12	JASCO CORPORATION	120
5.1.12.1	Business overview	120
5.1.12.2	Products/Solutions offered	120
5.1.13	MERCK KGAA	122
5.1.13.1	Business overview	122
5.1.13.2	Products/Solutions offered	123
5.1.13.3	Recent developments	125
5.1.13.3.1	Expansions	125
5.1.14	LECO CORPORATION	126
5.1.14.1	Business overview	126
5.1.14.2	Products/Solutions offered	126
5.1.14.2.1	Product launches and upgrades	127
?		
5.1.15	ANALYTIK JENA GMBH+CO. KG	128
5.1.15.1	Business overview	128
5.1.15.2	Products/Solutions offered	128
5.2	OTHER PLAYERS	129
5.2.1	HIDEN ANALYTICAL	129
5.2.2	RIGAKU HOLDINGS CORPORATION	130
5.2.3	YOUNGIN CHROMASS	131
5.2.4	SCION INSTRUMENTS	132
5.2.5	RESTEK CORPORATION	133
5.2.6	KORE TECHNOLOGY	134
5.2.7	PROCESS INSIGHTS, INC.	135
5.2.8	MASSTECH	136
5.2.9	ADVION, INC.	137

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5.2.10	SKYRAY INSTRUMENTS USA, INC.	138
5.2.11	MICROSAIC	139
6	APPENDIX	140
6.1	RESEARCH METHODOLOGY	140
6.1.1	RESEARCH DATA	140
6.1.1.1	Secondary data	140
6.1.1.2	Primary data	142
6.1.2	MARKET SHARE ASSESSMENT	143
6.1.3	RESEARCH LIMITATIONS	143
6.1.4	RISK ANALYSIS	143
6.2	COMPANY EVALUATION MATRIX: METHODOLOGY	144
6.3	AUTHOR DETAILS	147

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