

Mass Spectrometry Market by Technology (Hybrid (Triple Quadrupole, QTOF, FTMS), Single (Quadrupole, TOF, Ion Trap)), Application (Life Science Research, Clinical Diagnostics, QA/QC), End-User (Pharma-Biotech, Environmental, F&B) - Global Forecasts to 2028

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Report description:

The global mass spectrometry market is projected to reach USD 6.8 billion by 2028 from USD 4.7 billion in 2023, growing at a CAGR of 7.5% during the forecast period. The rise in advantages offered by mass spectrometry to be used in therapeutics is one of the major factors anticipated to boost market growth in the forecasting years.

"The instrument segment to hold the largest share of the market in 2023"

Based on product, the mass spectrometry market is segmented into instrument and software & services. Instruments are expected to dominate the mass spectrometry market during the forecast period. Due to its excellent high throughput screening, ability of rapid and high-resolution testing, and usage for various applications is highly advantageous.

"The LC-MS segment to hold the largest share of the market in 2023"

Based on sample preparation technique, the mass spectrometry is segmented into GC-MS, LC-MS, ICP-MS, and others. LC-MS are expected to dominate the mass spectrometry market during the forecast period. The growth is attributed to its broad applicability to a wide range of rigorous demands of the analytical market and industries.

"The OMICS research segment is projected to register the highest CAGR during the forecast period"

Based on applications, the mass spectrometry market is segmented into OMICS research, drug discovery, environmental testing, food testing, pharma-biopharma manufacturing, clinical diagnostics, applied industries, and other applications. The OMICS

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research segment is estimated to hold the largest market share of the mass spectrometry market during the forecast period. The segment includes life science related research like Genomics, Proteomics and Metabolomics.

"The pharmaceutical companies' segment is projected to register the highest CAGR during the forecast period"

The end-user market is segmented pharmaceutical companies, biotechnology companies, research labs & academic institutes, environmental testing labs, F&B industry, forensic labs, petrochemical industry and other end users. Pharmaceutical companies accounted for the largest share of the global mass spectrometry market in 2022. This end-user segment is also estimated to grow at the highest CAGR during the forecast period. This can be attributed to the factors such as presence of stringent regulatory guidelines for drug development and safety and availability of government and corporate funding for pharmaceutical research.

"The market in the North America region is expected to hold significant market share for mass spectrometry in 2022."

The mass spectrometry market covers five key geographies-North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa. The market in the North America region is expected to hold significant market share for mass spectrometry in 2022. The growth of the mass spectrometry market in this region can be attributed to the increasing investments in pharmaceutical R&D and government funding for R&D activities.

A breakdown of the primary participants referred to for this report is provided below:

- By Company Type: Tier 1-50%, Tier 2-30%, and Tier 3- 20%
- By Designation: C-level-37%, Director-level-29%, and Others-34%
- By Region: North America-27%, Asia Pacific-33%, Europe-30%, ROW-10%

The prominent players in the mass spectrometry market are SCIEX AB (US), Thermo Fisher Scientific (US), Agilent Technologies (US), Waters Corporation (US), PerkinElmer Inc. (US), Shimadzu Corporation (Japan), among others.

Research Coverage

This report studies the mass spectrometry market based on technology, sample preparation technology, application, end user and region. It also covers the factors affecting market growth, analyzes the various opportunities and challenges in the market, and provides details of the competitive landscape for market leaders. Furthermore, the report analyzes micro markets with respect to their individual growth trends and forecasts the revenue of the market segments with respect to five main regions (and the respective countries in these regions).

Reasons to Buy the Report

The report will enable established firms as well as entrants/smaller firms to gauge the pulse of the market, which, in turn, would help them to garner a larger market share. Firms purchasing the report could use one or a combination of the below-mentioned strategies to strengthen their market presence.

This report provides insights on the following pointers:

- Analysis of key drivers (technological advancements in mass spectrometers, government initiatives for pollution control and environmental testing, increasing spending on pharmaceutical R&D, government regulations on drug safety, growing focus on the quality of food products, increase in crude and shale gas production), restraints (premium product pricing), opportunities (growth potential offered by emerging markets), and challenges (dearth of skilled professionals) influencing the growth of mass spectrometry market
- Market Penetration: Comprehensive information on the product portfolios offered by the top players in the mass spectrometry market
- Product Development/Innovation: Detailed insights on the upcoming trends, R&D activities, and product launches in the mass spectrometry market
- Market Development: Comprehensive information on lucrative emerging regions
- Market Diversification: Exhaustive information about new products, growing geographies, and recent developments in the mass

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spectrometry market

- Competitive Assessment: In-depth assessment of market segments, growth strategies, revenue analysis, and products of the leading market players.

Table of Contents:

1	INTRODUCTION	35
1.1	STUDY OBJECTIVES	35
1.2	MARKET DEFINITION	35
1.2.1	INCLUSIONS & EXCLUSIONS	36
1.3	STUDY SCOPE	37
1.3.1	MARKETS COVERED	37
1.3.2	YEARS CONSIDERED	38
1.4	CURRENCY	38
1.5	STAKEHOLDERS	38
1.6	SUMMARY OF CHANGES	39
1.6.1	RECESSION IMPACT	39
2	RESEARCH METHODOLOGY	40
2.1	RESEARCH DATA	40
	FIGURE 1 MASS SPECTROMETRY MARKET: RESEARCH DESIGN	40
2.1.1	SECONDARY DATA	41
2.1.1.1	Indicative list of secondary sources	42
2.1.2	PRIMARY DATA	43
	FIGURE 2 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION	44
2.2	MARKET ESTIMATION METHODOLOGY	44
	FIGURE 3 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING	45
2.2.1	REVENUE MAPPING-BASED MARKET ESTIMATION	45
2.2.2	END-USER-BASED MARKET ESTIMATION	46
	FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: GLOBAL MASS SPECTROMETRY MARKET	47
2.2.3	PRIMARY RESEARCH VALIDATION	47
2.3	RECESSION IMPACT	48
2.4	IMPACT OF RECESSION ON MASS SPECTROMETRY MARKET	48
2.5	DATA TRIANGULATION	49
	FIGURE 5 DATA TRIANGULATION METHODOLOGY	49
2.6	RESEARCH ASSUMPTIONS	50
2.7	RESEARCH LIMITATIONS	50
3	EXECUTIVE SUMMARY	51
	FIGURE 6 MASS SPECTROMETRY MARKET, BY PRODUCT, 2023 VS. 2028 (USD MILLION)	51
	FIGURE 7 MASS SPECTROMETRY MARKET SHARE, BY SAMPLE PREPARATION TECHNIQUE, 2023 VS. 2028	52
	FIGURE 8 MASS SPECTROMETRY MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)	52
	FIGURE 9 MASS SPECTROMETRY MARKET SHARE, BY END USER, 2023 VS. 2028	53
	FIGURE 10 GEOGRAPHICAL SNAPSHOT OF MASS SPECTROMETRY MARKET	54
4	PREMIUM INSIGHTS	55
4.1	MASS SPECTROSCOPY MARKET OVERVIEW	55
	FIGURE 11 TECHNOLOGICAL ADVANCEMENTS IN MASS SPECTROMETERS & INCREASING FOOD SAFETY CONCERNS TO DRIVE MARKET	55
4.2	MASS SPECTROSCOPY MARKET SHARE, BY PRODUCT, 2023 VS. 2028 (USD MILLION)	56
	FIGURE 12 INSTRUMENTS TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD	56

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4.3	MASS SPECTROSCOPY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2023 VS. 2028 (USD MILLION)	56
	FIGURE 13	LC-MS SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD
4.4	MASS SPECTROSCOPY MARKET, BY END USER, 2023 VS. 2028 (USD MILLION)	57
	FIGURE 14	PHARMACEUTICAL COMPANIES TO ACCOUNT FOR LARGEST SHARE OF MASS SPECTROSCOPY MARKET IN 2028
4.5	MASS SPECTROSCOPY MARKET, BY REGION, 2021-2028	57
	FIGURE 15	ASIA PACIFIC TO WITNESS HIGHEST GROWTH IN MARKET DURING FORECAST PERIOD
5	MARKET OVERVIEW	58
5.1	INTRODUCTION	58
5.2	MARKET DYNAMICS	58
	FIGURE 16	MASS SPECTROMETRY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
5.2.1	DRIVERS	59
5.2.1.1	Technological advancements in mass spectrometers	59
	TABLE 1	MASS SPECTROMETRY MARKET: PRODUCT LAUNCHES
5.2.1.2	Government initiatives for pollution control and environmental testing	60
	TABLE 2	STRINGENT REGULATIONS IN ENVIRONMENTAL TESTING
5.2.1.3	Increasing spending on pharmaceutical R&D	61
5.2.1.4	Government regulations on drug safety	61
5.2.1.5	Growing focus on quality of food products	62
5.2.1.6	Increase in crude and shale gas production	62
5.2.2	RESTRAINTS	63
5.2.2.1	Premium product pricing	63
5.2.3	OPPORTUNITIES	63
5.2.3.1	Growing opportunities in emerging markets	63
	TABLE 3	INITIATIVES IN EMERGING COUNTRIES
5.2.4	CHALLENGES	64
5.2.4.1	Dearth of skilled professionals	64
5.3	INDUSTRY TRENDS	64
5.3.1	INCREASING ADOPTION OF HYPHENATED TECHNOLOGIES	64
5.3.2	TIE-UPS BETWEEN ANALYTICAL INSTRUMENT MANUFACTURERS AND RESEARCH LABORATORIES/ACADEMIC INSTITUTIONS	65
5.4	GLOBAL REGULATORY GUIDELINES	66
5.4.1	KEY REGULATORY AGENCIES	66
	TABLE 4	MASS SPECTROMETRY MARKET: KEY GLOBAL REGULATORY AGENCIES
5.5	VALUE CHAIN ANALYSIS	68
	FIGURE 17	VALUE CHAIN ANALYSIS-MAXIMUM VALUE ADDED DURING MANUFACTURING PHASE
5.6	SUPPLY CHAIN ANALYSIS	69
5.6.1	PROMINENT COMPANIES	69
5.6.2	SMALL & MEDIUM-SIZED ENTERPRISES	69
5.6.3	END USERS	69
	FIGURE 18	SUPPLY CHAIN ANALYSIS
5.7	ECOSYSTEM MARKET MAP	70
	FIGURE 19	ECOSYSTEM MAP: GLOBAL MASS SPECTROMETRY MARKET
5.8	TECHNOLOGY ANALYSIS	70
5.9	TRADE DATA ANALYSIS	71
	FIGURE 20	IMPORT DATA FOR MASS SPECTROMETRY (HS CODE 902781), BY COUNTRY, 2022 (USD)
	FIGURE 21	EXPORT DATA FOR MASS SPECTROMETRY (HS CODE 902781), BY COUNTRY, 2022 (USD)
5.10	PATENT ANALYSIS	73
	FIGURE 22	PATENT ANALYSIS

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5.11	PORTER'S FIVE FORCE ANALYSIS	73
5.11.1	OVERVIEW	73
	TABLE 5	MASS SPECTROMETRY MARKET: PORTER'S FIVE FORCES ANALYSIS
5.11.2	BARGAINING POWER OF BUYERS	74
5.11.3	BARGAINING POWER OF SUPPLIERS	74
5.11.4	THREAT OF NEW ENTRANTS	74
5.11.5	THREAT OF SUBSTITUTES	74
5.11.6	INTENSITY OF COMPETITIVE RIVALRY	74
5.12	PRICING ANALYSIS	75
5.12.1	ASIA: AVERAGE SELLING PRICE OF KEY PLAYERS, BY PRODUCT	75
	TABLE 6	AVERAGE SELLING PRICE OF ASIAN REGION KEY PLAYERS
5.12.2	AVERAGE SELLING PRICE TRENDS	76
	TABLE 7	AVERAGE SELLING PRICE OF MASS SPECTROMETRY INSTRUMENTS, BY COUNTRY
	TABLE 8	AVERAGE SELLING PRICE OF MASS SPECTROMETRY INSTRUMENTS
5.13	USE CASE STUDIES: GLOBAL MASS SPECTROMETRY MARKET	77
5.13.1	GLOBAL OLIGONUCLEOTIDE API TESTING MARKET	77
	TABLE 9	MASS SPECTROMETRY INSTRUMENTS USE CASE IN OLIGONUCLEOTIDE API TESTING
5.13.2	TECHNOLOGICAL CHALLENGES	78
	TABLE 10	TECHNOLOGICAL CHALLENGES IN MASS SPECTROMETRY MARKET
5.14	KEY CONFERENCES & EVENTS, 2022-2023	79
	TABLE 11	MASS SPECTROMETER MARKET: LIST OF MAJOR CONFERENCES & EVENTS
5.15	KEY STAKEHOLDERS & BUYING CRITERIA	80
5.15.1	KEY STAKEHOLDERS IN BUYING PROCESS, BY DISTRIBUTION CHANNEL	80
	FIGURE 23	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY DISTRIBUTION CHANNEL
	TABLE 12	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY DISTRIBUTION CHANNEL (%)
5.15.2	BUYING CRITERIA	81
	FIGURE 24	KEY BUYING CRITERIA, BY DISTRIBUTION CHANNEL
	TABLE 13	KEY BUYING CRITERIA, BY DISTRIBUTION CHANNEL
6	MASS SPECTROMETRY MARKET, BY PRODUCT	82
6.1	INTRODUCTION	83
	TABLE 14	MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION)
6.2	INSTRUMENTS	83
	TABLE 15	MASS SPECTROMETRY INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION)
	TABLE 16	MASS SPECTROMETRY INSTRUMENTS MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION)
	TABLE 17	MASS SPECTROMETRY INSTRUMENTS MARKET, BY APPLICATION, 2021-2028 (USD MILLION)
	TABLE 18	MASS SPECTROMETRY INSTRUMENTS MARKET, BY END USER, 2021-2028 (USD MILLION)
	TABLE 19	MASS SPECTROMETRY INSTRUMENTS MARKET, BY REGION, 2021-2028 (USD MILLION)
6.2.1	HYBRID MASS SPECTROMETRY	85
	TABLE 20	HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION)
	TABLE 21	HYBRID MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION)
6.2.1.1	Triple quadrupole MS	86
6.2.1.1.1	Superior detection sensitivity and quantification to drive market	86
	TABLE 22	TRIPLE QUADRUPOLE MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION)
6.2.1.2	Quadrupole-time-of-flight (Q-TOF) MS	87
6.2.1.2.1	Growing use of Q-TOF in metabolomics research & drug development to drive market	87
	TABLE 23	Q-TOF MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION)
6.2.1.3	Fourier transform MS	88

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6.2.1.3.1 High resolution and mass measurement accuracy for analysis of biomolecules to boost market 88
 TABLE 24 FOURIER TRANSFORM MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) 89

6.2.2 SINGLE MASS SPECTROMETRY 89
 TABLE 25 SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 89
 TABLE 26 SINGLE MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) 90

6.2.2.1 Quadrupole MS 90
 6.2.2.1.1 High throughput and accuracy to boost market 90
 TABLE 27 QUADRUPOLE MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) 91
 6.2.2.2 Time-of-flight MS 91
 6.2.2.2.1 Excellent sensitivity and high mass range to propel market growth 91
 TABLE 28 TIME-OF-FLIGHT MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) 92
 6.2.2.3 Ion trap MS 92
 6.2.2.3.1 High sensitivity, robustness, and rapid identification of low-level components in complex matrices to drive market 92
 TABLE 29 ION TRAP MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) 93

6.2.3 OTHER MASS SPECTROMETRY INSTRUMENTS 93
 TABLE 30 OTHER MASS SPECTROMETRY INSTRUMENTS MARKET, BY REGION, 2021-2028 (USD MILLION) 94

6.3 SOFTWARE & SERVICES 94
 TABLE 31 MASS SPECTROMETRY SOFTWARE & SERVICES MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION) 94
 TABLE 32 MASS SPECTROMETRY SOFTWARE & SERVICES MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 95
 TABLE 33 MASS SPECTROMETRY SOFTWARE & SERVICES MARKET, BY END USER, 2021-2028 (USD MILLION) 95
 TABLE 34 MASS SPECTROMETRY SOFTWARE & SERVICES MARKET, BY REGION, 2021-2028 (USD MILLION) 96
 7 MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE 97

7.1 INTRODUCTION 98
 TABLE 35 MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION) 98

7.2 LC-MS 98
 7.2.1 LC-MS TO FORM LARGEST SAMPLE PREPARATION TECHNIQUE SEGMENT OF MASS SPECTROMETRY MARKET 98
 TABLE 36 MASS SPECTROMETRY MARKET FOR LC-MS, BY REGION, 2021-2028 (USD MILLION) 99

7.3 GC-MS 99
 7.3.1 SEPARATION OF VOLATILE ORGANIC MOLECULES TO BOOST USE OF MASS SPECTROMETRY ANALYSIS 99
 TABLE 37 MASS SPECTROMETRY MARKET FOR GC-MS, BY REGION, 2021-2028 (USD MILLION) 100

7.4 ICP-MS 100
 7.4.1 SIMPLE SAMPLE PREPARATION AND HIGH THROUGHPUT TO DRIVE GROWTH OF ICP-MS SEGMENT 100
 TABLE 38 MASS SPECTROMETRY MARKET FOR ICP-MS, BY REGION, 2021-2028 (USD MILLION) 101

7.5 OTHER TECHNIQUES 101
 TABLE 39 MASS SPECTROMETRY MARKET FOR OTHER TECHNIQUES, BY REGION, 2021-2028 (USD MILLION) 102

8 MASS SPECTROMETRY MARKET, BY APPLICATION 103
 8.1 INTRODUCTION 104
 TABLE 40 MASS SPECTROMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 104

8.2 OMICS RESEARCH 104
 8.2.1 OMICS RESEARCH TO FORM LARGEST APPLICATION SEGMENT OF MASS SPECTROMETRY MARKET 104
 TABLE 41 MASS SPECTROMETRY MARKET FOR OMICS RESEARCH, BY REGION, 2021-2028 (USD MILLION) 105

8.3 DRUG DISCOVERY 105
 8.3.1 NEED TO ENSURE DRUG QUALITY & SAFETY TO BOOST USE OF MASS SPECTROMETRY ANALYSIS 105
 TABLE 42 MASS SPECTROMETRY MARKET FOR DRUG DISCOVERY, BY REGION, 2021-2028 (USD MILLION) 106

8.4 ENVIRONMENTAL TESTING 106
 8.4.1 RISING DEMAND FOR WATER TESTING TO DRIVE GROWTH OF ENVIRONMENTAL TESTING 106

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TABLE 43 □ MASS SPECTROMETRY MARKET FOR ENVIRONMENTAL TESTING, BY REGION, 2021-2028 (USD MILLION) □ 107

8.5 □ FOOD TESTING □ 107

8.5.1 □ IMPORTANCE OF FOOD TESTING TO DRIVE USE OF MASS SPECTROMETRY □ 107

TABLE 44 □ MASS SPECTROMETRY MARKET FOR FOOD TESTING, BY REGION, 2021-2028 (USD MILLION) □ 108

8.6 □ PHARMA/BIOPHARMA MANUFACTURING □ 108

8.6.1 □ INCREASED SENSITIVITY OF INSTRUMENTS TO DRIVE USE OF MASS SPECTROMETRY □ 108

TABLE 45 □ MASS SPECTROMETRY MARKET FOR PHARMA/BIOPHARMA MANUFACTURING, BY REGION, 2021-2028 (USD MILLION) □ 108

8.7 □ CLINICAL DIAGNOSTICS □ 109

8.7.1 □ METHODOLOGICAL IMPROVEMENTS AND TECHNOLOGICAL INNOVATIONS TO CREATE OPPORTUNITIES FOR MASS SPECTROMETRY □ 109

TABLE 46 □ MASS SPECTROMETRY MARKET FOR CLINICAL DIAGNOSTICS, BY REGION, 2021-2028 (USD MILLION) □ 109

8.8 □ APPLIED INDUSTRIES □ 110

8.8.1 □ NEED FOR QUALITY CONTROL IN APPLIED INDUSTRIES TO SUPPORT MARKET GROWTH □ 110

TABLE 47 □ MASS SPECTROMETRY MARKET FOR APPLIED INDUSTRIES, BY REGION, 2021-2028 (USD MILLION) □ 110

8.9 □ OTHER APPLICATIONS □ 111

TABLE 48 □ MASS SPECTROMETRY MARKET FOR OTHER APPLICATIONS, BY REGION, 2021-2028 (USD MILLION) □ 111

9 □ MASS SPECTROMETRY MARKET, BY END USER □ 112

9.1 □ INTRODUCTION □ 113

TABLE 49 □ MASS SPECTROMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) □ 113

9.2 □ PHARMACEUTICAL COMPANIES □ 113

9.2.1 □ PHARMACEUTICALS TO FORM LARGEST END-USER SEGMENT OF MASS SPECTROMETRY MARKET □ 113

TABLE 50 □ MASS SPECTROMETRY MARKET FOR PHARMACEUTICAL COMPANIES, BY REGION, 2021-2028 (USD MILLION) □ 114

9.3 □ BIOTECHNOLOGY COMPANIES □ 114

9.3.1 □ GROWING BIOPHARMACEUTICAL APPLICATIONS TO DRIVE MASS SPECTROMETRY MARKET □ 114

TABLE 51 □ MASS SPECTROMETRY MARKET FOR BIOTECHNOLOGY COMPANIES, BY REGION, 2021-2028 (USD MILLION) □ 115

9.4 □ RESEARCH LABS & ACADEMIC INSTITUTES □ 115

9.4.1 □ EMERGING APPLICATIONS IN BIOMEDICAL SECTOR TO DRIVE SEGMENT □ 115

TABLE 52 □ MASS SPECTROMETRY MARKET FOR RESEARCH LABS & ACADEMIC INSTITUTES, BY REGION, 2021-2028 (USD MILLION) □ 115

9.5 □ ENVIRONMENTAL TESTING LABS □ 116

9.5.1 □ GROWING POLLUTION LEVELS & RISING ENVIRONMENTAL AWARENESS TO BOOST GROWTH □ 116

TABLE 53 □ MASS SPECTROMETRY MARKET FOR ENVIRONMENTAL TESTING LABS, BY REGION, 2021-2028 (USD MILLION) □ 116

9.6 □ F&B INDUSTRY □ 117

9.6.1 □ GROWING FOOD SAFETY CONCERNS TO SUPPORT MARKET GROWTH □ 117

TABLE 54 □ MASS SPECTROMETRY MARKET FOR F&B INDUSTRY, BY REGION, 2021-2028 (USD MILLION) □ 117

9.7 □ FORENSIC LABS □ 118

9.7.1 □ ADVANCEMENTS IN TECHNOLOGY TO CREATE OPPORTUNITIES FOR MASS SPECTROMETRY □ 118

TABLE 55 □ MASS SPECTROMETRY MARKET FOR FORENSIC LABS, BY REGION, 2021-2028 (USD MILLION) □ 118

9.8 □ PETROCHEMICAL INDUSTRY □ 119

9.8.1 □ GROWING NUMBER OF NEW OIL & GAS FIELDS TO DRIVE PETROCHEMICAL INDUSTRY □ 119

TABLE 56 □ MASS SPECTROMETRY MARKET FOR PETROCHEMICAL INDUSTRY, BY REGION, 2021-2028 (USD MILLION) □ 119

9.9 □ OTHER END USERS □ 119

TABLE 57 □ MASS SPECTROMETRY MARKET FOR OTHER END USERS, BY REGION, 2021-2028 (USD MILLION) □ 120

10 □ MASS SPECTROMETRY MARKET, BY REGION □ 121

10.1 □ INTRODUCTION □ 122

TABLE 58 □ MASS SPECTROMETRY MARKET, BY REGION, 2021-2028 (USD MILLION) □ 122

10.2 □ NORTH AMERICA □ 122

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FIGURE 25 NORTH AMERICA: MASS SPECTROMETRY MARKET SNAPSHOT 123

10.2.1 RECESSION IMPACT 123

TABLE 59 NORTH AMERICA: MASS SPECTROMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 124

TABLE 60 NORTH AMERICA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 124

TABLE 61 NORTH AMERICA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 124

TABLE 62 NORTH AMERICA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 125

TABLE 63 NORTH AMERICA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 125

TABLE 64 NORTH AMERICA: MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION) 125

TABLE 65 NORTH AMERICA: MASS SPECTROMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 126

TABLE 66 NORTH AMERICA: MASS SPECTROMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) 126

10.2.2 US 127

10.2.2.1 Availability of funding for research and government initiatives to drive market in US 127

TABLE 67 US: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 128

TABLE 68 US: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 128

TABLE 69 US: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 128

TABLE 70 US: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 129

10.2.3 CANADA 129

10.2.3.1 Funding for innovation-based research to propel market in Canada 129

TABLE 71 CFI FUNDING TOWARD MASS SPECTROMETRY PROJECTS 129

TABLE 72 CANADA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 130

TABLE 73 CANADA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 130

TABLE 74 CANADA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 130

TABLE 75 CANADA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 131

10.3 EUROPE 131

10.3.1 RECESSION IMPACT 131

TABLE 76 EUROPE: MASS SPECTROMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 132

TABLE 77 EUROPE: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 132

TABLE 78 EUROPE: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 132

TABLE 79 EUROPE: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 133

TABLE 80 EUROPE: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 133

TABLE 81 EUROPE: MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION) 133

TABLE 82 EUROPE: MASS SPECTROMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 134

TABLE 83 EUROPE: MASS SPECTROMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) 134

10.3.2 GERMANY 135

10.3.2.1 Growing German cosmetics industry to drive mass spectrometry market 135

TABLE 84 GERMANY: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 135

TABLE 85 GERMANY: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 135

TABLE 86 GERMANY: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 136

TABLE 87 GERMANY: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 136

10.3.3 UK 136

10.3.3.1 Rising food safety concerns to propel market growth in UK 136

TABLE 88 UK: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 137

TABLE 89 UK: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 137

TABLE 90 UK: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 137

TABLE 91 UK: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 138

10.3.4 FRANCE 138

10.3.4.1 Booming perfume industry and rising number of pharma start-ups to drive demand for mass spectrometry 138

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TABLE 92 FRANCE: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 139

TABLE 93 FRANCE: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 139

TABLE 94 FRANCE: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 139

TABLE 95 FRANCE: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 140

10.3.5 ITALY 140

10.3.5.1 Advancements in biotechnology and increasing R&D investments by pharmaceutical companies to drive market 140

TABLE 96 ITALY: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 140

TABLE 97 ITALY: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 141

TABLE 98 ITALY: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 141

TABLE 99 ITALY: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 141

10.3.6 SPAIN 142

10.3.6.1 Focus on research using mass spectrometry instruments to boost market 142

TABLE 100 SPAIN: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 142

TABLE 101 SPAIN: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 143

TABLE 102 SPAIN: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 143

TABLE 103 SPAIN: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 143

10.3.7 REST OF EUROPE 144

TABLE 104 REST OF EUROPE: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 144

TABLE 105 REST OF EUROPE: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 145

TABLE 106 REST OF EUROPE: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 145

TABLE 107 REST OF EUROPE: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 145

10.4 ASIA PACIFIC 146

FIGURE 26 ASIA PACIFIC: MASS SPECTROMETRY MARKET SNAPSHOT 146

10.4.1 RECESSION IMPACT 147

TABLE 108 ASIA PACIFIC: MASS SPECTROMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 147

TABLE 109 ASIA PACIFIC: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 147

TABLE 110 ASIA PACIFIC: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 148

TABLE 111 ASIA PACIFIC: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 148

TABLE 112 ASIA PACIFIC: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 148

TABLE 113 ASIA PACIFIC: MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION) 149

TABLE 114 ASIA PACIFIC: MASS SPECTROMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 149

TABLE 115 ASIA PACIFIC: MASS SPECTROMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) 150

10.4.2 CHINA 150

10.4.2.1 Establishment of start-ups in pharma & biotech sectors to boost market in China 150

TABLE 116 CHINA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 151

TABLE 117 CHINA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 151

TABLE 118 CHINA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 151

TABLE 119 CHINA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 152

10.4.3 JAPAN 152

10.4.3.1 Availability of funding for mass spectrometry projects and growing food safety concerns to drive market growth 152

TABLE 120 JAPAN: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 153

TABLE 121 JAPAN: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 153

TABLE 122 JAPAN: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 153

TABLE 123 JAPAN: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 154

10.4.4 INDIA 154

10.4.4.1 Stringent environmental monitoring regulations in India to boost market 154

TABLE 124 INDIA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 155

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TABLE 125 INDIA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 155

TABLE 126 INDIA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 155

TABLE 127 INDIA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 156

10.4.5 SOUTH KOREA 156

10.4.5.1 Growing pharmaceutical and cosmetic industries to boost use of mass spectrometry 156

TABLE 128 SOUTH KOREA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 156

TABLE 129 SOUTH KOREA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 157

TABLE 130 SOUTH KOREA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 157

TABLE 131 SOUTH KOREA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 157

10.4.6 AUSTRALIA 158

10.4.6.1 Government funding for improved research infrastructure to fuel demand for mass spectrometry 158

TABLE 132 AUSTRALIA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 158

TABLE 133 AUSTRALIA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 158

TABLE 134 AUSTRALIA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 159

TABLE 135 AUSTRALIA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 159

10.4.7 SOUTHEAST ASIA 159

10.4.7.1 Expanding footprint of market leaders in Malaysia and Singapore to aid market growth in Southeast Asia 159

TABLE 136 SOUTHEAST ASIA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 160

TABLE 137 SOUTHEAST ASIA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 160

TABLE 138 SOUTHEAST ASIA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 161

TABLE 139 SOUTHEAST ASIA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 161

10.4.8 REST OF ASIA PACIFIC 161

TABLE 140 REST OF ASIA PACIFIC: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 162

TABLE 141 REST OF ASIA PACIFIC: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 162

TABLE 142 REST OF ASIA PACIFIC: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 162

TABLE 143 REST OF ASIA PACIFIC: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 163

10.5 LATIN AMERICA 163

10.5.1 RECESSION IMPACT 163

TABLE 144 LATIN AMERICA: MASS SPECTROMETRY MARKET, BY COUNTRY, 2021-2028 (USD MILLION) 164

TABLE 145 LATIN AMERICA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 164

TABLE 146 LATIN AMERICA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 164

TABLE 147 LATIN AMERICA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 165

TABLE 148 LATIN AMERICA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 165

TABLE 149 LATIN AMERICA: MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION) 165

TABLE 150 LATIN AMERICA: MASS SPECTROMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION) 166

TABLE 151 LATIN AMERICA: MASS SPECTROMETRY MARKET, BY END USER, 2021-2028 (USD MILLION) 166

10.5.2 BRAZIL 167

10.5.2.1 Growing biotechnology and pharmaceutical industries to support market growth in Brazil 167

TABLE 152 BRAZIL: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 167

TABLE 153 BRAZIL: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 167

TABLE 154 BRAZIL: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 168

TABLE 155 BRAZIL: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 168

10.5.3 MEXICO 168

10.5.3.1 Growing demand for high-quality food to create opportunities for mass spectrometry 168

TABLE 156 MEXICO: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION) 169

TABLE 157 MEXICO: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION) 169

TABLE 158 MEXICO: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION) 169

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TABLE 159	MEXICO: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION)	170
10.5.4	REST OF LATIN AMERICA	170
TABLE 160	REST OF LATIN AMERICA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	170
TABLE 161	REST OF LATIN AMERICA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION)	171
TABLE 162	REST OF LATIN AMERICA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION)	171
TABLE 163	REST OF LATIN AMERICA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION)	171
10.6	MIDDLE EAST & AFRICA	172
10.6.1	MASSIVE OIL & GAS INDUSTRY AND RISING AWARENESS OF FOOD SAFETY TO DRIVE MARKET	172
10.6.2	RECESSION IMPACT	173
TABLE 164	MIDDLE EAST & AFRICA: MASS SPECTROMETRY MARKET, BY PRODUCT, 2021-2028 (USD MILLION)	173
TABLE 165	MIDDLE EAST & AFRICA: INSTRUMENTS MARKET, BY TYPE, 2021-2028 (USD MILLION)	173
TABLE 166	MIDDLE EAST & AFRICA: HYBRID MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION)	174
TABLE 167	MIDDLE EAST & AFRICA: SINGLE MASS SPECTROMETRY MARKET, BY TYPE, 2021-2028 (USD MILLION)	174
TABLE 168	MIDDLE EAST & AFRICA: MASS SPECTROMETRY MARKET, BY SAMPLE PREPARATION TECHNIQUE, 2021-2028 (USD MILLION)	174
TABLE 169	MIDDLE EAST & AFRICA: MASS SPECTROMETRY MARKET, BY APPLICATION, 2021-2028 (USD MILLION)	175
TABLE 170	MIDDLE EAST & AFRICA: MASS SPECTROMETRY MARKET, BY END USER, 2021-2028 (USD MILLION)	175
11	COMPETITIVE LANDSCAPE	176
11.1	INTRODUCTION	176
FIGURE 27	KEY DEVELOPMENTS BY LEADING PLAYERS IN MASS SPECTROMETRY MARKET, 2019-2023	176
11.2	REVENUE SHARE ANALYSIS	177
FIGURE 28	MASS SPECTROMETRY MARKET: REVENUE SHARE ANALYSIS OF KEY PLAYERS (2020-2022)	177
11.3	MARKET SHARE ANALYSIS	178
FIGURE 29	MASS SPECTROMETRY MARKET SHARE, BY KEY PLAYER, 2022	178
TABLE 171	MASS SPECTROMETRY MARKET: DEGREE OF COMPETITION	178
11.4	KEY PLAYER STRATEGIES	179
11.5	COMPANY EVALUATION QUADRANT (2022)	181
11.5.1	TERMINOLOGY/NOMENCLATURE	181
11.5.1.1	Stars	181
11.5.1.2	Emerging leaders	181
11.5.1.3	Pervasive players	182
11.5.1.4	Participants	182
FIGURE 30	MASS SPECTROMETRY MARKET: COMPANY EVALUATION QUADRANT, 2022	182
11.6	COMPANY EVALUATION QUADRANT: START-UPS/SMES (2022)	183
11.6.1	PROGRESSIVE COMPANIES	183
11.6.2	RESPONSIVE COMPANIES	183
11.6.3	DYNAMIC COMPANIES	183
11.6.4	STARTING BLOCKS	183
FIGURE 31	MASS SPECTROMETRY MARKET: COMPANY EVALUATION MATRIX (SMES/START-UPS), 2022	184
11.7	COMPETITIVE BENCHMARKING	185
TABLE 172	MASS SPECTROMETRY MARKET: PRODUCT FOOTPRINT ANALYSIS OF TOP PLAYERS	185
TABLE 173	MASS SPECTROMETRY MARKET: END-USER FOOTPRINT ANALYSIS OF TOP PLAYERS	186
TABLE 174	COMPANY FOOTPRINT ANALYSIS IN MASS SPECTROMETRY MARKET	187
11.8	COMPETITIVE SCENARIO AND TRENDS (2021-2023)	188
11.8.1	NEW PRODUCT LAUNCHES & APPROVALS	188
11.8.2	DEALS	189
11.8.3	OTHER DEVELOPMENTS	190

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12 COMPANY PROFILES 191

(Business Overview, Products Offered, Recent Developments, MnM View Right to win, Strategic choices made, Weaknesses and competitive threats) *

12.1 KEY PLAYERS 191

12.1.1 THERMO FISHER SCIENTIFIC INC. 191

TABLE 175 THERMO FISHER SCIENTIFIC INC.: BUSINESS OVERVIEW 191

FIGURE 32 THERMO FISHER SCIENTIFIC INC.: COMPANY SNAPSHOT (2022) 192

12.1.2 SCIEX 197

TABLE 176 SCIEX: BUSINESS OVERVIEW 197

12.1.3 AGILENT TECHNOLOGIES 202

TABLE 177 AGILENT TECHNOLOGIES: BUSINESS OVERVIEW 202

FIGURE 33 AGILENT TECHNOLOGIES: COMPANY SNAPSHOT (2022) 203

12.1.4 WATERS CORPORATION 208

TABLE 178 WATERS CORPORATION: BUSINESS OVERVIEW 208

FIGURE 34 WATERS CORPORATION: COMPANY SNAPSHOT (2022) 209

12.1.5 SHIMADZU CORPORATION 214

TABLE 179 SHIMADZU CORPORATION: BUSINESS OVERVIEW 214

FIGURE 35 SHIMADZU CORPORATION: COMPANY SNAPSHOT (2022) 215

12.1.6 BRUKER CORPORATION 220

TABLE 180 BRUKER CORPORATION: BUSINESS OVERVIEW 220

FIGURE 36 BRUKER CORPORATION: COMPANY SNAPSHOT (2022) 221

12.1.7 PERKINELMER 224

TABLE 181 PERKINELMER: BUSINESS OVERVIEW 224

FIGURE 37 PERKINELMER: COMPANY SNAPSHOT (2022) 225

12.1.8 JEOL 227

TABLE 182 JEOL: BUSINESS OVERVIEW 227

FIGURE 38 JEOL: COMPANY SNAPSHOT (2022) 228

12.1.9 JASCO CORPORATION 230

TABLE 183 JASCO CORPORATION: BUSINESS OVERVIEW 230

12.1.10 TELEDYNE FLIR LLC 231

TABLE 184 TELEDYNE FLIR LLC: BUSINESS OVERVIEW 231

12.1.11 MKS INSTRUMENTS 233

TABLE 185 MKS INSTRUMENTS: BUSINESS OVERVIEW 233

FIGURE 39 MKS INSTRUMENTS: COMPANY SNAPSHOT (2022) 234

12.1.12 ANALYTIK JENA GMBH 235

TABLE 186 ANALYTIK JENA GMBH: BUSINESS OVERVIEW 235

12.1.13 HIDEN ANALYTICAL 237

TABLE 187 HIDEN ANALYTICAL: BUSINESS OVERVIEW 237

12.1.14 LECO 240

TABLE 188 LECO: BUSINESS OVERVIEW 240

12.2 OTHER PLAYERS 242

12.2.1 RIGAKU 242

12.2.2 YL INSTRUMENTS CO., LTD. (YOUNGIN CHROMASS) 242

12.2.3 SCION INSTRUMENTS 243

12.2.4 HITACHI HIGH-TECH CORPORATION 243

12.2.5 KORE TECHNOLOGY 244

12.2.6 EXTREL CMS 245

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12.2.7 □NU INSTRUMENTS (BUSINESS UNIT OF AMETEK INC.) □246

12.2.8 □MASSTECH □247

12.2.9 □ADVION □247

12.2.10 □ELEMENTAR INDIA PVT. LTD. □248

12.2.11 □SPACETEK TECHNOLOGY AG □248

12.2.12 □SKYRAY INSTRUMENTS □249

12.2.13 □MICROSAIC SYSTEMS PLC □249

12.2.14 □PFEIFFER VACUUM GMBH □250

*Details on Business Overview, Products Offered, Recent Developments, MnM View, Right to win, Strategic choices made, Weaknesses and competitive threats might not be captured in case of unlisted companies.

?

13 □APPENDIX □251

13.1 □DISCUSSION GUIDE □251

13.2 □KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL □256

13.3 □CUSTOMIZATION OPTIONS □258

13.4 □RELATED REPORTS □258

13.5 □AUTHOR DETAILS □259

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