

Global Q-TOF Mass Spectrometry Market by Application (Biotechnology Applications, Pharmaceutical Applications, Food & Beverage Testing, Environmental Testing, Petrochemical Applications), Regional Forecasts 2021-2027

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Abstracts

Global Q-TOF Mass Spectrometry Market is valued approximately at USD 876.6 million in 2020 and is anticipated to grow with a healthy growth rate of more than 7.7% over the forecast period 2021-2027. Time-of-flight mass spectrometry (TOFMS) is a mass spectrometry technique under which the particle's mass-to-charge proportion is measured using time-of-flight measurements. The particles are accelerated by a known intensity electric field. As a consequence of the acceleration, the particle has the same kinetic energy as any other particle with the same charge. The Q-TOF mass Spectrometry market is driven by increasing spending on pharmaceutical and biotechnological R&D and growing Focus on Ensuring Food Quality. For instance, according to the Organization for Economic Cooperation and Development (OECD), Germany spent 3.13 percent of GDP on research and development in 2018, up from 3.07 percent in 2017 and 2.94 percent in 2016. Among the most effective instruments for analyzing chemical and biological organisms is mass spectrometry. Furthermore, the industry is being driven by the strong demand for COVID-19 from the biotechnology and pharmaceutical industries. In India 2020, researchers at the Institute of Genomics and Integrative Biology (IGIB) in Delhi and the National Centre for Disease Control (NCDC) used a mass spectrometer to detect novel coronavirus (COVID-19) with 95 percent sensitivity and 100 percent consistency as compared to RT-PCR. However, High Cost of Q-TOF Mass Spectrometers, may impede market growth over the forecast period of 2021-2027.

North America is expected to dominate the global Q-TOF mass spectrometry market,

followed by Europe. The main drivers driving the growth of the North American industry are increased government spending and increased biotech and biopharma R&D in the United States. Growing financing for research and development in Canada is projected to drive demand growth over the forecast period 2020-2021.

Major market player included in this report are:

Thermo Fisher Scientific
Waters Corporation
Agilent Technologies
Sciex (A Subsidiary of Danaher)
Shimadzu Corporation
Shimadzu Corporation
JEOL Ltd
LECO Corporation
MKS Instruments
PerkinElmer Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Biotechnology Applications
Pharmaceutical Applications
Food & Beverage Testing
Environmental Testing
Petrochemical Applications
Other Applications

By Region:

North America
U.S.

Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027.

Target Audience of the Global Q-TOF Mass Spectrometry Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1.EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Q-TOF mass spectrometry Market , by Region, 2019-2027 (USD Billion)
 - 1.2.2. Q-TOF mass spectrometry Market , by Application, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL Q-TOF MASS SPECTROMETRY MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL Q-TOF MASS SPECTROMETRY MARKET DYNAMICS

- 3.1. Q-TOF mass spectrometry Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing Spending on Pharmaceutical and Biotechnological R&D
 - 3.1.1.2. Growing Focus on Ensuring Food Quality
 - 3.1.2. Market Restraint
 - 3.1.2.1. High Cost of Q-TOF Mass Spectrometers
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing opportunities in Emerging Markets

CHAPTER 4. GLOBAL Q-TOF MASS SPECTROMETRY MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers

- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL Q-TOF MASS SPECTROMETRY MARKET , BY APPLICATION

- a. Market Snapshot
- 5.1. Global Q-TOF mass spectrometry Market by Application, Performance - Potential Analysis
- 5.2. Global Q-TOF mass spectrometry Market Estimates & Forecasts by Application 2018-2027 (USD Billion)
- 5.3. Q-TOF mass spectrometry Market , Sub Segment Analysis
 - 5.3.1. Biotechnology Applications
 - 5.3.2. Pharmaceutical Applications
 - 5.3.3. Food & Beverage Testing
 - 5.3.4. Environmental Testing
 - 5.3.5. Petrochemical Applications
 - 5.3.6. Other Applications

CHAPTER 6. GLOBAL Q-TOF MASS SPECTROMETRY MARKET , REGIONAL ANALYSIS

- 6.1. Q-TOF mass spectrometry Market , Regional Market Snapshot
- 6.2. North America Q-TOF mass spectrometry Market
 - 6.2.1. U.S. Q-TOF mass spectrometry Market
 - 6.2.1.1. Application breakdown estimates & forecasts, 2018-2027
 - 6.2.2. Canada Q-TOF mass spectrometry Market
- 6.3. Europe Q-TOF mass spectrometry Market Snapshot
 - 6.3.1. U.K. Q-TOF mass spectrometry Market
 - 6.3.2. Germany Q-TOF mass spectrometry Market

- 6.3.3. France Q-TOF mass spectrometry Market
- 6.3.4. Spain Q-TOF mass spectrometry Market
- 6.3.5. Italy Q-TOF mass spectrometry Market
- 6.3.6. Rest of Europe Q-TOF mass spectrometry Market
- 6.4. Asia-Pacific Q-TOF mass spectrometry Market Snapshot
 - 6.4.1. China Q-TOF mass spectrometry Market
 - 6.4.2. India Q-TOF mass spectrometry Market
 - 6.4.3. Japan Q-TOF mass spectrometry Market
 - 6.4.4. Australia Q-TOF mass spectrometry Market
 - 6.4.5. South Korea Q-TOF mass spectrometry Market
 - 6.4.6. Rest of Asia Pacific Q-TOF mass spectrometry Market
- 6.5. Latin America Q-TOF mass spectrometry Market Snapshot
 - 6.5.1. Brazil Q-TOF mass spectrometry Market
 - 6.5.2. Mexico Q-TOF mass spectrometry Market
- 6.6. Rest of The World Q-TOF mass spectrometry Market

CHAPTER 7. COMPETITIVE INTELLIGENCE

- 7.1. Top Market Strategies
- 7.2. Company Profiles
 - 7.2.1. Thermo Fisher Scientific
 - 7.2.1.1. Key Information
 - 7.2.1.2. Overview
 - 7.2.1.3. Financial (Subject to Data Availability)
 - 7.2.1.4. Product Summary
 - 7.2.1.5. Recent Developments
 - 7.2.2. Waters Corporation
 - 7.2.3. Agilent Technologies
 - 7.2.4. Sciex (A Subsidiary of Danaher)
 - 7.2.5. Shimadzu Corporation
 - 7.2.6. Shimadzu Corporation
 - 7.2.7. JEOL Ltd
 - 7.2.8. LECO Corporation
 - 7.2.9. MKS Instruments
 - 7.2.10. PerkinElmer Inc.

CHAPTER 8. RESEARCH PROCESS

- 8.1. Research Process

- 8.1.1. Data Mining
- 8.1.2. Analysis
- 8.1.3. Market Estimation
- 8.1.4. Validation
- 8.1.5. Publishing
- 8.2. Research Attributes
- 8.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 2. Global Q-TOF mass spectrometry Market , report scope

TABLE 3. Global Q-TOF mass spectrometry Market estimates & forecasts by region
2018-2027 (USD Billion)

TABLE 4. Global Q-TOF mass spectrometry Market estimates & forecasts by
Application 2018-2027 (USD Billion)

TABLE 5. Global Q-TOF mass spectrometry Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 6. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 7. Global Q-TOF mass spectrometry Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 8. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 9. Global Q-TOF mass spectrometry Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 10. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 11. Global Q-TOF mass spectrometry Market by segment, estimates &
forecasts, 2018-2027 (USD Billion)

TABLE 12. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 13. Global Q-TOF mass spectrometry Market by segment, estimates &
forecasts, 2018-2027 (USD Billion)

TABLE 14. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 15. Global Q-TOF mass spectrometry Market by segment, estimates &
forecasts, 2018-2027 (USD Billion)

TABLE 16. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 17. Global Q-TOF mass spectrometry Market by segment, estimates &
forecasts, 2018-2027 (USD Billion)

TABLE 18. Global Q-TOF mass spectrometry Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 19. Global Q-TOF mass spectrometry Market by segment, estimates &
forecasts, 2018-2027 (USD Billion)

TABLE 20. Global Q-TOF mass spectrometry Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 21. U.S. Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. U.S. Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 23. U.S. Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 24. Canada Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 25. Canada Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Canada Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. UK Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 28. UK Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. UK Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. Germany Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 31. Germany Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. Germany Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. France Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 34. France Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. France Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. Spain Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 37. Spain Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. Spain Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 39. Italy Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 40. Italy Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 41. Italy Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 42. ROE Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 43. ROE Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 44. ROE Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 45. China Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 46. China Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 47. China Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 48. India Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 49. India Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 50. India Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 51. Japan Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 52. Japan Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 53. Japan Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 54. Australia Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 55. Australia Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 56. Australia Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 57. South Korea Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 58. South Korea Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 59. South Korea Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 60. ROPAC Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 61. ROPAC Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 62. ROPAC Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 63. Brazil Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 64. Brazil Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 65. Brazil Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 66. Mexico Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 67. Mexico Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 68. Mexico Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 69. ROLA Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 70. ROLA Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 71. ROLA Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 72. ROW Q-TOF mass spectrometry Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 73. ROW Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 74. ROW Q-TOF mass spectrometry Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 75. List of secondary sources used in the study of global Q-TOF mass spectrometry Market .

TABLE 76. List of primary sources used in the study of global Q-TOF mass spectrometry Market .

TABLE 77. Years considered for the study.

TABLE 78. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Q-TOF mass spectrometry Market , research methodology
- FIG 2. Global Q-TOF mass spectrometry Market , market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Q-TOF mass spectrometry Market , key trends 2020
- FIG 5. Global Q-TOF mass spectrometry Market , growth prospects 2021-2027
- FIG 6. Global Q-TOF mass spectrometry Market , porters 5 force model
- FIG 7. Global Q-TOF mass spectrometry Market , pest analysis
- FIG 8. Global Q-TOF mass spectrometry Market , value chain analysis
- FIG 9. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 15. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 16. Global Q-TOF mass spectrometry Market by segment, 2018 & 2027 (USD Billion)
- FIG 17. Global Q-TOF mass spectrometry Market , regional snapshot 2018 & 2027
- FIG 18. North America Q-TOF mass spectrometry Market 2018 & 2027 (USD Billion)
- FIG 19. Europe Q-TOF mass spectrometry Market 2018 & 2027 (USD Billion)
- FIG 20. Asia-Pacific Q-TOF mass spectrometry Market 2018 & 2027 (USD Billion)
- FIG 21. Latin America Q-TOF mass spectrometry Market 2018 & 2027 (USD Billion)
- FIG 22. Global Q-TOF mass spectrometry Market , company market share analysis (2020)

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