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Global Mobile Mass Spectrometers Market Size study, by Application (Homeland Security, Military & Defence, Environmental monitoring, Emergency/rapid response & Disaster Management, Narcotics Detection, Military, Forensics, Others) and Regional Forecasts 2022-2028

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Abstracts

Global Mobile Mass Spectrometers Market is valued approximately USD 120 million in 2021 and is anticipated to grow with a healthy growth rate of more than 27.4% over the forecast period 2022-2028. A miniature mass spectrometer (MMS) is a type of mass spectrometer (MS) that is portable or handheld and has a modest size and weight. Current lab-scale mass spectrometers, on the other hand, typically weigh hundreds of pounds and can cost thousands to millions of dollars. The capabilities provided by portable mass spectrometer devices are advantageous to these end customers because they allow for real-time modifications to operational and strategic decisions. The evolution of portable mass spectrometer system design and performance has altered dramatically over the last 20 years as they continue to advance towards high performance with chemical and/or matrix-specific expertise depending on the area of application. These technological advancements are expected to hasten the commercialization of mobile mass spectrometer systems. For example, the market for security applications is expanding as a result of ongoing improvements such as built-in compound libraries. Product architecture and convenience of use, as well as technical developments and severe government laws for pollution monitoring and management, will drive the mobile mass spectrometer market during the projection period. As per company sources, 908 Devices updated its MX908 handheld mass spectrometer equipment in May 2021, introducing an aerosol module for detecting and identifying aerosolized chemical threats. FLIR was awarded a USD 8.0 million contract by the

United States Defense Threat Reduction Agency's Joint Science and Technology Office (DTRA JSTO) in March 2021 for the development of chemical detection technologies based on IMS and MS technology. However, premium product pricing impedes the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Mobile Mass Spectrometers Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America accounted for the largest market share in the Mobile Mass Spectrometers Market. The increased government attention on narcotics detection and homeland security, as well as the opioid crisis, are driving the growth of the North American mobile mass spectrometers market. Furthermore, regulatory authorities in the North American region are continuously monitoring the safety and quality of the environment in order to establish environmental safety across geographies. Additionally, Asia pacific is anticipated to witness highest growth rate during the forecast period.

Major market player included in this report are:
FLIR
908 Devices
PerkinElmer
Inficon
BaySpec
Bruker Corporation
PURSPEC
Focused Photonics
1st detect
Kore Technology
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
Homeland Security
Military & Defence
Environmental monitoring

Emergency/rapid response & Disaster Management
Narcotics Detection
Military
Forensics
Others
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, 2020
Base year – 2021
Forecast period – 2022 to 2028

Target Audience of the Global Mobile Mass Spectrometers Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises

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Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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Contents

CHAPTER 1. EXECUTIVE SUMMARY

1.1. Market Snapshot
1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Million)
  1.2.1. Mobile Mass Spectrometers Market, by Region, 2020-2028 (USD Million)
  1.2.2. Mobile Mass Spectrometers Market, by Application, 2020-2028 (USD Million)
1.3. Key Trends
1.4. Estimation Methodology
1.5. Research Assumption

CHAPTER 2. GLOBAL MOBILE MASS SPECTROMETERS 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 MOBILE MASS SPECTROMETERS MARKET DYNAMICS

3.1. Mobile Mass Spectrometers Market Impact Analysis (2020-2028)
  3.1.1. Market Drivers
    3.1.1.1. Stringent government regulations for pollution monitoring and control
    3.1.1.2. Product architecture & ease of use
  3.1.2. Market Challenges
    3.1.2.1. Premium Product Pricing
  3.1.3. Market Opportunities
    3.1.3.1. Technological improvements in Mobile Mass Spectrometers

CHAPTER 4. GLOBAL MOBILE MASS SPECTROMETERS 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 (2018-2028)
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
4.5. Top investment opportunity
4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

5.1.1. Assessment of the overall impact of COVID-19 on the industry
5.1.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL MOBILE MASS SPECTROMETERS MARKET, BY APPLICATION

6.1. Market Snapshot
6.2. Global Mobile Mass Spectrometers Market by Application, Performance - Potential Analysis
6.3. Global Mobile Mass Spectrometers Market Estimates & Forecasts by Application 2018-2028 (USD Million)
6.4. Mobile Mass Spectrometers Market, Sub Segment Analysis
6.4.1. Homeland Security
6.4.2. Military & Defence
6.4.3. Environmental monitoring
6.4.4. Emergency/rapid response & Disaster Management
6.4.5. Narcotics Detection
6.4.6. Military
6.4.7. Forensics
6.4.8. Others

CHAPTER 7. GLOBAL MOBILE MASS SPECTROMETERS MARKET, REGIONAL ANALYSIS

7.1. Mobile Mass Spectrometers Market, Regional Market Snapshot
7.2. North America Mobile Mass Spectrometers Market
7.2.1. U.S. Mobile Mass Spectrometers Market
7.2.1.1. Application breakdown estimates & forecasts, 2018-2028
7.2.2. Canada Mobile Mass Spectrometers Market
7.3. Europe Mobile Mass Spectrometers Market Snapshot
7.3.1. U.K. Mobile Mass Spectrometers Market
7.3.2. Germany Mobile Mass Spectrometers Market
7.3.3. France Mobile Mass Spectrometers Market
7.3.4. Spain Mobile Mass Spectrometers Market
7.3.5. Italy Mobile Mass Spectrometers Market
7.3.6. Rest of Europe Mobile Mass Spectrometers Market
7.4. Asia-Pacific Mobile Mass Spectrometers Market Snapshot
7.4.1. China Mobile Mass Spectrometers Market
7.4.2. India Mobile Mass Spectrometers Market
7.4.3. Japan Mobile Mass Spectrometers Market
7.4.4. Australia Mobile Mass Spectrometers Market
7.4.5. South Korea Mobile Mass Spectrometers Market
7.4.6. Rest of Asia Pacific Mobile Mass Spectrometers Market
7.5. Latin America Mobile Mass Spectrometers Market Snapshot
7.5.1. Brazil Mobile Mass Spectrometers Market
7.5.2. Mexico Mobile Mass Spectrometers Market
7.6. Rest of The World Mobile Mass Spectrometers Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Top Market Strategies
8.2. Company Profiles
8.2.1. FLIR
8.2.1.1. Key Information
8.2.1.2. Overview
8.2.1.3. Financial (Subject to Data Availability)
8.2.1.4. Product Summary
8.2.1.5. Recent Developments
8.2.2. 908 Devices
8.2.3. PerkinElmer
8.2.4. Inficon
8.2.5. BaySpec

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8.2.6. Bruker Corporation
8.2.7. PURSPEC
8.2.8. Focused Photonics
8.2.9. 1st detect
8.2.10. Kore Technology

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process
9.1.1. Data Mining
9.1.2. Analysis
9.1.3. Market Estimation
9.1.4. Validation
9.1.5. Publishing
9.2. Research Attributes
9.3. Research Assumption

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List Of Tables

LIST OF TABLES

TABLE 1. Global Mobile Mass Spectrometers Market, report scope
TABLE 2. Global Mobile Mass Spectrometers Market estimates & forecasts by Region 2018-2028 (USD Million)
TABLE 3. Global Mobile Mass Spectrometers Market estimates & forecasts by Application 2018-2028 (USD Million)
TABLE 4. Global Mobile Mass Spectrometers Market by segment, estimates & forecasts, 2018-2028 (USD Million)
TABLE 5. Global Mobile Mass Spectrometers Market by region, estimates & forecasts, 2018-2028 (USD Million)
TABLE 6. Global Mobile Mass Spectrometers Market by segment, estimates & forecasts, 2018-2028 (USD Million)
TABLE 7. Global Mobile Mass Spectrometers Market by region, estimates & forecasts, 2018-2028 (USD Million)
TABLE 8. Global Mobile Mass Spectrometers Market by segment, estimates & forecasts, 2018-2028 (USD Million)
TABLE 9. Global Mobile Mass Spectrometers Market by region, estimates & forecasts, 2018-2028 (USD Million)
TABLE 10. Global Mobile Mass Spectrometers Market by segment, estimates & forecasts, 2018-2028 (USD Million)
TABLE 11. Global Mobile Mass Spectrometers Market by region, estimates & forecasts, 2018-2028 (USD Million)
TABLE 12. Global Mobile Mass Spectrometers Market by segment, estimates & forecasts, 2018-2028 (USD Million)
TABLE 13. Global Mobile Mass Spectrometers Market by region, estimates & forecasts, 2018-2028 (USD Million)
TABLE 14. U.S. Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 15. U.S. Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 16. U.S. Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 17. Canada Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 18. Canada Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 19. Canada Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 20. UK Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 21. UK Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 22. UK Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 23. Germany Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 24. Germany Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 25. Germany Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 26. RoE Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 27. RoE Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 28. RoE Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 29. China Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 30. China Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 31. China Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 32. India Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 33. India Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 34. India Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 35. Japan Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 36. Japan Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 37. Japan Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 38. RoAPAC Mobile Mass Spectrometers Market estimates & forecasts,

2018-2028 (USD Million)
TABLE 39. RoAPAC Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 40. RoAPAC Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 41. Brazil Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 42. Brazil Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 43. Brazil Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 44. Mexico Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 45. Mexico Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 46. Mexico Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 47. RoLA Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 48. RoLA Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 49. RoLA Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 50. Row Mobile Mass Spectrometers Market estimates & forecasts, 2018-2028 (USD Million)
TABLE 51. Row Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 52. Row Mobile Mass Spectrometers Market estimates & forecasts by segment 2018-2028 (USD Million)
TABLE 53. List of secondary sources, used in the study of global Mobile Mass Spectrometers Market
TABLE 54. List of primary sources, used in the study of global Mobile Mass Spectrometers Market
TABLE 55. Years considered for the study
TABLE 56. Exchange rates considered

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List Of Figures

LIST OF FIGURES

FIG 1. Global Mobile Mass Spectrometers Market, research methodology
FIG 2. Global Mobile Mass Spectrometers Market, Market estimation techniques
FIG 3. Global Market size estimates & forecast methods
FIG 4. Global Mobile Mass Spectrometers Market, key trends 2021
FIG 5. Global Mobile Mass Spectrometers Market, growth prospects 2022-2028
FIG 6. Global Mobile Mass Spectrometers Market, porters 5 force model
FIG 7. Global Mobile Mass Spectrometers Market, pest analysis
FIG 8. Global Mobile Mass Spectrometers Market, value chain analysis
FIG 9. Global Mobile Mass Spectrometers Market by segment, 2018 & 2028 (USD Million)
FIG 10. Global Mobile Mass Spectrometers Market by segment, 2018 & 2028 (USD Million)
FIG 11. Global Mobile Mass Spectrometers Market by segment, 2018 & 2028 (USD Million)
FIG 12. Global Mobile Mass Spectrometers Market by segment, 2018 & 2028 (USD Million)
FIG 13. Global Mobile Mass Spectrometers Market by segment, 2018 & 2028 (USD Million)
FIG 14. Global Mobile Mass Spectrometers Market, regional snapshot 2018 & 2028
FIG 15. North America Mobile Mass Spectrometers Market 2018 & 2028 (USD Million)
FIG 16. Europe Mobile Mass Spectrometers Market 2018 & 2028 (USD Million)
FIG 17. Asia pacific Mobile Mass Spectrometers Market 2018 & 2028 (USD Million)
FIG 18. Latin America Mobile Mass Spectrometers Market 2018 & 2028 (USD Million)
FIG 19. Global Mobile Mass Spectrometers Market, company Market share analysis (2021)

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