

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

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

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