

Mass Spectrometer Market Anticipated to Reach a Robust USD 13.5 Billion by 2031, with a Steady 8.2% CAGR, States TMR

Surge in Adoption of Mass Spectrometers in Food & Beverage Industry to Drive Demand for Mass Spectrometers.

WILMINGTON, DELAWARE , UNITED STATES, October 25, 2023

/EINPresswire.com/ -- As per the latest market research report titled 'Global Mass Spectrometry Market 2022-2031,' released by Transparency Market Research, the global mass spectrometry market is poised to achieve a valuation of \$13.5 billion by 2031, exhibiting a robust compound annual growth rate (CAGR) of 8.2% between 2022 and 2031.

For more information, please contact Transparency Market Research at https://www.transparencymarketresearch.com/sample/sample.php?flag=S&report_id=18917



Mass spectrometer is a powerful analytical tool with multiple applications in pharmaceutical and biotechnology fields. It produces a mass spectrum, which measures the individual mass spectra in a sample of a given mixture. Currently, these tools are used in life science research to analyze various compounds such as peptides, amino acids, and proteins. Mass spectrometer is also used to facilitate DNA sequencing and analyze intact viruses.

The global mass spectrometer market is expected to be driven by the increase in research and innovation activities in the biotech & pharma industry, surge in adoption of mass spectrometers in food & beverage industry, and introduction of mass spectrometers for IVD applications. Availability of technologically advanced mass spectrometers is likely to propel the global market during the forecast period.

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Global Geriatric Population - Market Outlook

Key Factors

The rise in the geriatric population is a key factor driving the market growth. Skin infections, bacterial pneumonia, influenza, urinary tract infections, and gastrointestinal infections are some of the most frequent microbial diseases impacting aging populations. Furthermore, the elderly population is subjected to diagnostic tests, such as microbial testing, on a regular basis due to their low immunity and metabolism. Hence, the growing geriatric population is expected to drive market growth during the forecast period.

Key Trends

Increasing demand for portable mass spectrometers is a major trend in the market. With the advent of this technology, several vendors on the market offer small permanent magnets that make mass spectrometers easier to carry, as opposed to traditional mass spectrometer systems that are very large and bulky. For example, The Thermo Fisher Scientific Prima BT Benchtop Mass Spectrometer offers several advantages, which include easy sample introduction, automated sampling, and best-in-class resolution. Thus, the benefits are expected to drive market growth during the forecast period.

Key Challenges

The lack of imaging capabilities is a significant challenge restraining market growth. Molecular imaging techniques are a widely used technique in pharmaceutical research and biomarker discovery and identification because they allow researchers to see the biological and anatomical features of these molecules. However, one of the limitations of these spectrometers is their inability to perform such imaging functions. Hence, these limitations are expected to restrict the mass spectrometer market growth during the forecast period.

Key Vendors

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Key Companies

Bio-Rad Laboratories, Inc., Agilent Technologies, Thermo Fisher Scientific, Inc., Waters Corporation, Shimadzu Corporation, Bruker Corporation, Sciex (Danaher Corporation), PerkinElmer, Inc., bioMerieux SA, and Charles River Laboratories International, Inc.

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- Liquid Chromatography-MS
- ICP-MS
- Gas Chromatography
- MALDI-TOF
- Others

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- Pharmaceuticals
- Biotechnology
- Industrial Chemistry
- Environmental Testing
- Food & Beverage Testing
- Others

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- North America (United States, Canada and Mexico)
- Europe (Germany, UK, France, Italy, Russia and Turkey etc.)
- Asia-Pacific (China, Japan, Korea, India, Australia, Indonesia, Thailand, Philippines, Malaysia and Vietnam)
- South America (Brazil, Argentina, Columbia etc.)
- Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

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[Dental Plaster Market](#) Poised for a CAGR of 5.5%, Targeting USD 66.7 Million Revenue by 2031

[Nurse Call Systems Market](#) to Exhibit Robust 9.8% CAGR during 2022-2031 to Reach US\$ 4.2 Billion

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