

Near-infrared Spectroscopy Market Size, Trends, Analysis, and Outlook By Product (Dispersive Infrared Spectroscopy, Fourier Transform-based (FT-NIR) Spectrometers), By Type (Benchtop, Portable), By Application (Medical Applications, Astronomical Spectroscopy, Remote Monitoring, Agriculture, Particle Measurement, Material Science, Industrial use), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Near-infrared Spectroscopy market size is poised to register 6.57% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Near-infrared Spectroscopy market across By Product (Dispersive Infrared Spectroscopy, Fourier Transform-based (FT-NIR) Spectrometers), By Type (Benchtop, Portable), By Application (Medical Applications, Astronomical Spectroscopy, Remote Monitoring, Agriculture, Particle Measurement, Material Science, Industrial use).

The Near-infrared Spectroscopy Market is witnessing growth driven by the increasing adoption of near-infrared (NIR) spectroscopic techniques in pharmaceutical analysis, food quality testing, agriculture, and medical diagnostics. Near-infrared spectroscopy involves the measurement of light absorption and reflection in the near-infrared range of the electromagnetic spectrum to analyze molecular compositions and chemical properties of samples. Key trends shaping its future include the development of portable and handheld NIR spectrometers for on-site and real-time analysis in various industries and applications, the integration of NIR spectroscopy with other analytical techniques

such as chromatography and mass spectrometry for comprehensive sample characterization, and the customization of NIR spectroscopic solutions for specific research, quality control, and process monitoring needs. Moreover, factors such as the advancements in spectroscopic instrumentation and data analysis software, the demand for non-destructive and rapid analytical methods, and the regulatory approvals for NIR-based medical devices and diagnostic assays are expected to drive market growth in 2024 and beyond.

Near-infrared Spectroscopy Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Near-infrared Spectroscopy market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Near-infrared Spectroscopy survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Near-infrared Spectroscopy industry.

Key market trends defining the global Near-infrared Spectroscopy demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Near-infrared Spectroscopy Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Near-infrared Spectroscopy industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Near-infrared Spectroscopy companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Near-infrared Spectroscopy industry

Leading Near-infrared Spectroscopy companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Near-infrared Spectroscopy companies.

Near-infrared Spectroscopy Market Study- Strategic Analysis Review

The Near-infrared Spectroscopy market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Near-infrared Spectroscopy Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Near-infrared Spectroscopy industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Near-infrared Spectroscopy Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe,

the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Near-infrared Spectroscopy Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Near-infrared Spectroscopy market segments. Similarly, Strong end-user demand is encouraging Canadian Near-infrared Spectroscopy companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Near-infrared Spectroscopy market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Near-infrared Spectroscopy Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Near-infrared Spectroscopy industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Near-infrared Spectroscopy market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Near-infrared Spectroscopy Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Near-infrared Spectroscopy in Asia Pacific. In particular, China, India, and South East Asian Near-infrared Spectroscopy markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India

offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Near-infrared Spectroscopy Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Near-infrared Spectroscopy Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Near-infrared Spectroscopy market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Near-infrared Spectroscopy.

Near-infrared Spectroscopy Market Company Profiles

The global Near-infrared Spectroscopy market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are ABB, Brainbox Ltd, Bruker, Galaxy-Scientific, KPM Analytics, Malvern Panalytical Ltd, Metrohm AG, Oxford Instruments, PerkinElmer Inc, Thermo Fisher Scientific Inc

Recent Near-infrared Spectroscopy Market Developments

The global Near-infrared Spectroscopy market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Near-infrared Spectroscopy Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product

Dispersive Infrared Spectroscopy

Fourier Transform-based (FT-NIR) Spectrometers

By Type

Benchtop

Portable

By Application

Medical Applications

Astronomical Spectroscopy

Remote Monitoring

Agriculture

Particle Measurement

Material Science

Industrial use

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

ABB

Brainbox Ltd

Bruker

Galaxy-Scientific

KPM Analytics

Malvern Panalytical Ltd

Metrohm AG

Oxford Instruments

PerkinElmer Inc

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

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 - Fourier Transform-based (FT-NIR) Spectrometers

By Type

Benchtop

Portable

By Application

Medical Applications

Astronomical Spectroscopy

Remote Monitoring

Agriculture

Particle Measurement

Material Science

Industrial use

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