

Raman Spectroscopy Market: Trends, Opportunities and Competitive Analysis [2023-2028]

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Abstracts

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Raman Spectroscopy Market Trends and Forecast

The future of the global raman spectroscopy market looks promising with opportunities in the pharmaceutical, life science, material science, carbon material, and semiconductor end use industries. The global raman spectroscopy market is expected to reach an estimated \$875.2 million by 2028 with a CAGR of 7.3% from 2023 to 2028. The major drivers for this market are heightened emphasis on healthcare-related drug development, growing requirement for spectroscopy via cloud-based platforms, along with escalating necessity for precise and effective analytical methods across various sectors, such as pharmaceuticals, biotechnology, and material sciences.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown here.

Raman Spectroscopy Market by Segment

The study includes trends and forecast for the global raman spectroscopy market by instruments, sampling technique, application, and region, as follows:

Raman Spectroscopy Market by Instrument [Shipment Analysis by Value from 2017 to 2028]:

Microscopy Raman

FT Raman

Handheld & Portable Raman

Raman Spectroscopy Market by Sampling Technique [Shipment Analysis by Value from 2017 to 2028]:

Surface-enhanced Raman Scattering

Tip-enhanced Raman Scattering

Others

Raman Spectroscopy Market by Application [Shipment Analysis by Value from 2017 to 2028]:

Pharmaceuticals

Life Sciences

Material Sciences

Carbon Materials

Semiconductors

Others

Raman Spectroscopy Market by Region [Shipment Analysis by Value from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

List of Raman Spectroscopy Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies, raman spectroscopy companies cater to increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the raman spectroscopy companies profiled in this report include-

Thermo Fisher Scientific

Horiba

Renishaw

Bruker Corporation

Jasco

Agilent Technologies

PerkinElmer

WITec

B&W Tek

Kaiser Optical Systems

Raman Spectroscopy Market Insights

Lucintel forecasts that handheld, & portable raman will remain the largest instrument segment over the forecast period because of increasing need for

quantifying biomolecules, hyperspectral molecular imaging of cells and tissues, medical diagnostics, and accurate identification of pharmaceutical raw materials.

Within this market, pharmaceuticals will remain the fastest growing segment due to significant rise in the utilization of solid-state pharmaceutical products across both industrial as well as academic sectors along with raman spectroscopy's capability to visualize drug and excipient distribution in the pharmaceutical formulations, such as tablets, creams, and ointments.

North America will remain the fastest growing region over the forecast period due to the presence of strong scientific and research community encompassing academic institutions, government laboratories, and private research organizations in the region.

Features of the Raman Spectroscopy Market

Market Size Estimates: Raman spectroscopy market size estimation in terms of value (\$B)

Trend and Forecast Analysis: Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

Segmentation Analysis: Raman spectroscopy market size by various segments, such as by instruments, sampling technique, application, and region

Regional Analysis: Raman spectroscopy market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different instruments, sampling techniques, applications, and regions for the raman spectroscopy market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the raman spectroscopy market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the raman spectroscopy market size?

Answer: The global raman spectroscopy market is expected to reach an estimated \$875.2 million by 2028.

Q2. What is the growth forecast for raman spectroscopy market?

Answer: The global raman spectroscopy market is expected to grow with a CAGR of 7.3% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the raman spectroscopy market?

Answer: The major drivers for this market are heightened emphasis on healthcare-related drug development, growing requirement for spectroscopy via cloud-based platforms, along with escalating necessity for precise and effective analytical methods across various sectors, such as pharmaceuticals, biotechnology, and material sciences.

Q4. What are the major segments for raman spectroscopy market?

Answer: The future of the global raman spectroscopy market looks promising with opportunities in the pharmaceutical, life science, material science, carbon material, and semiconductor end use industries.

Q5. Who are the key raman spectroscopy companies?

Answer: Some of the key raman spectroscopy companies are as follows:

Thermo Fisher Scientific

Horiba

Renishaw

Bruker Corporation

Jasco

Agilent Technologies

PerkinElmer

WITec

B&W Tek

Kaiser Optical Systems

Q6. Which raman spectroscopy segment will be the largest in future?

Answer: Lucintel forecasts that handheld & portable raman will remain the largest segment over the forecast period because of the increasing need for quantifying biomolecules, hyperspectral molecular imaging of cells and tissues, medical diagnostics, and accurate identification of pharmaceutical raw materials.

Q7. In raman spectroscopy market, which region is expected to be the largest in next 5 years?

Answer: North America will remain the fastest growing region over the forecast period due to the presence of strong scientific and research community encompassing academic institutions, government laboratories, and private research organizations in the region.

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Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the global raman spectroscopy market by instrument (microscopy raman, FT Raman, and handheld & portable raman), sampling technique (surface-enhanced raman scattering, tip-enhanced raman scattering, and others), end use industry (pharmaceuticals, life sciences, material sciences, carbon materials, semiconductors, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to raman spectroscopy market or related to raman spectroscopy companies, raman spectroscopy market size, raman spectroscopy market share, raman spectroscopy market growth, raman spectroscopy market research, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad to get back to you soon.

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7.6: Agilent Technologies

7.7: PerkinElmer

7.8: WITec

7.9: B&W Tek

7.10: Kaiser Optical Systems

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