

# Raman Spectroscopy: Technologies and North American Markets

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## Abstracts

### Report Scope:

This report represents an in-depth analysis of the North American Raman spectroscopy markets by sampling technique, instrument type, application area and country. It discusses the different segments of Raman spectroscopy sampling techniques to derive specific market estimations. Spectroscopy sampling techniques include surface-enhanced Raman scattering, tip-enhanced Raman scattering and other Raman sampling techniques. Other sampling techniques include resonance Raman spectroscopy, hyper Raman, spontaneous Raman spectroscopy, spatially-offset Raman spectroscopy and stimulated Raman spectroscopy. The market for Raman spectroscopy by type of instrument is divided into four subsegments: probe-based Raman, Fourier transform infrared Raman, micro-Raman, and others (Raman micro-spectrophotometers, remote fiber-optic probes, dispersive Raman spectrophotometers and non-dispersive spectrophotometers). The report also forecasts the market size for Raman spectroscopy for end-use applications including life sciences, material sciences, carbon materials, semiconductors and others.

### Report Includes:

29 tables

Country specific data and analysis for United States, Canada and Mexico

Regional dynamics and statistics for the Raman spectroscopy market by sampling technique, instrument type and application area

An assessment of the widespread applications of Raman spectroscopy and the market dynamics of each application segment

Identification of the key trends related to the applications, sampling techniques and instruments that shape and influence the Raman spectroscopy market

Detailed description of surface enhanced Raman scattering, tip enhanced Raman scattering and other prominent Raman scattering techniques

Comprehensive profiles of leading companies in the industry, including Bruker Corp., PerkinElmer Inc., Renishaw plc, Smiths Detection Inc., and Thermo Fisher Scientific Inc.

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