

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.

Contents

CHAPTER 1 INTRODUCTION

Introduction
Study Goals and Objectives
Reasons for Doing This Study
Intended Audience
Scope of Report
Research Methodology
Geographic Breakdown
Analysts' Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 MARKET OVERVIEW

Market Definition
History
Market Scenario
Value Chain Analysis
Component Providers
Instrument Manufacturers
Market Dynamics
Drivers
Restraints
Opportunities

CHAPTER 4 MARKET BREAKDOWN BY SAMPLING TECHNIQUE

Introduction
Surface-enhanced Raman Scattering
Tip-enhanced Raman Scattering
Other Raman Scattering Techniques

CHAPTER 5 MARKET BREAKDOWN BY TYPE OF INSTRUMENT

Introduction
Probe-based Raman
Fourier Transform Infrared Raman
Micro-Raman
Others

CHAPTER 6 MARKET BREAKDOWN BY APPLICATION AREA

Introduction
Life Sciences
Material Sciences
Carbon Materials
Semiconductors
Others

CHAPTER 7 MARKET BREAKDOWN BY COUNTRY

Introduction
U.S.
Canada
Mexico

CHAPTER 8 COMPETITIVE LANDSCAPE

Positioning of Key Players
Analysis of Major Strategies
Key Market Developments

CHAPTER 9 COMPANY PROFILES

AABSPEC INSTRUMENTATION CORP.

Company Overview

AGILENT TECHNOLOGIES

Company Overview

B&W TEK INC. (METROHM AG)

Company Overview

BRUKER CORP.

Company Overview

Financials

Products and Services

DIGILAB INC.

Company Overview

HORIBA LTD.

Company Overview

Financials

Products and Services

JASCO INC.

Company Overview

KAISER OPTICAL SYSTEMS INC. (ENDRESS + HAUSER HOLDING AG.)

Company Overview

METROHM AG

Company Overview

MONTANA INSTRUMENTS CORP.

Company Overview

OCEAN OPTICS INC.

Company Overview

ONDAX INC. (COHERENT INC.)

Company Overview

PERKINELMER INC.

Company Overview

PRINCETON INSTRUMENTS

Company Overview

RENISHAW PLC

Company Overview

Financials

Products and Services

RIGAKU (RIGAKU RAMAN TECHNOLOGIES)

Company Overview

SEMROCK INC.

Company Overview

SMITHS DETECTION

Company Overview

SNOWY RANGE INSTRUMENTS

Company Overview

SPECTRAL PRODUCTS

Company Overview

THERMOFISHER SCIENTIFIC INC.

Company Overview

Financials
Products and Services
TSI INC.
Company Overview
Key Developments

List Of Tables

LIST OF TABLES

Summary Table: North American Market for Raman Spectroscopy, by Country, Through 2023

Table 1: North American Market for Surface-enhanced Raman Scattering, by Type of Instrument, Through 2023

Table 2: North American Market for Raman Spectroscopy, by Sampling Technique, Through 2023

Table 3: North American Market for Surface-enhanced Raman Scattering, by Application Area, Through 2023

Table 4: North American Market for Tip-enhanced Raman Scattering, by Type of Instrument, Through 2023

Table 5: North American Market for Tip-enhanced Raman Scattering, by Application Area, Through 2023

Table 6: North American Market for Other Raman Scattering Techniques, by Type of Instrument, Through 2023

Table 7: North American Market for Other Raman Scattering Techniques, by Application Area, Through 2023

Table 8: North American Market for Raman Spectroscopy, by Type of Instrument, Through 2023

Table 9: North American Market for Probe-based Raman Instruments, by Sampling Technique, Through 2023

Table 10: North American Market for Fourier Transform Infrared Raman Instruments, by Sampling Technique, Through 2023

Table 11: North American Market for Micro-Raman Instruments, by Sampling Technique, Through 2023

Table 12: North American Market for Other Raman Instruments, by Sampling Technique, Through 2023

Table 13: North American Market for Raman Spectroscopy, by Application Area, Through 2023

Table 14: North American Market for Raman Spectroscopy in Life Science Applications, by Sampling Technique, Through 2023

Table 15: North American Market for Raman Spectroscopy in Materials Science Applications, by Sampling Technique, Through 2023

Table 16: North American Market for Raman Spectroscopy in Carbon Material Applications, by Sampling Technique, Through 2023

Table 17: North American Market for Raman Spectroscopy in Semiconductor

Applications, by Sampling Technique, Through 2023

Table 18: North American Market for Raman Spectroscopy in Other Applications, by Sampling Technique, Through 2023

Table 19: North American Market for Raman Spectroscopy, by Country, Through 2023

Table 20: Key Market Developments in the North American Market for Raman Spectroscopy, 2016-2018*

Table 21: Bruker Corp.: Net Revenue, 2015-2017

Table 22: Bruker Corp.: Strategic Developments, 2018

Table 23: Horiba Ltd.: Net Revenue, 2015-2017

Table 24: Horiba Ltd.: Strategic Developments, 2016-2018

Table 25: Renishaw plc: Net Revenue, 2017-2018

Table 26: Renishaw plc: Strategic Developments, 2018

Table 27: Thermo Fisher Scientific Inc.: Net Revenue, 2015-2017

Table 28: Thermo Fisher Scientific Inc.: Strategic Developments, 2016-2018

List Of Figures

LIST OF FIGURES

Summary Figure: North American Market for Raman Spectroscopy, by Country, 2017-2023

Figure 1: Value Chain Analysis

Figure 2: North American Market for Raman Spectroscopy, by Sampling Technique, 2017-2023

Figure 3: North American Market Shares of Raman Spectroscopy, by Sampling Technique, 2017

Figure 4: North American Market Shares of Raman Spectroscopy, by Sampling Technique, 2023

Figure 5: North American Market for Raman Spectroscopy, by Type of Instrument, 2017-2023

Figure 6: North American Market Shares of Raman Spectroscopy, by Type of Instrument, 2017

Figure 7: North American Market Shares of Raman Spectroscopy, by Type of Instrument, 2023

Figure 8: North American Market for Raman Spectroscopy, by Application Area, 2017-2023

Figure 9: North American Market Shares of Raman Spectroscopy, by Application Area, 2017

Figure 10: North American Market Shares of Raman Spectroscopy, by Application Area, 2023

Figure 11: North American Market for Raman Spectroscopy, by Country, 2017-2023

Figure 12: North American Market Shares of Raman Spectroscopy, by Country, 2017

Figure 13: North American Market Shares of Raman Spectroscopy, by Country, 2023

Figure 14: Positioning of Key Players in the North American Market for Raman Spectroscopy

Figure 15: Key Developments in Raman Spectroscopy Markets, 2016-2018*

Figure 16: Bruker Corp.: Market Share, by Business Segment, 2017

Figure 17: Bruker Corp.: Market Share, by Country/Region, 2017

Figure 18: Horiba Ltd.: Market Share, by Business Segment, 2017

Figure 19: Horiba Ltd.: Market Share, by Country/Region, 2017

Figure 20: Renishaw plc: Market Share, by Business Segment, 2018

Figure 21: Renishaw plc: Market Share, by Region, 2017

Figure 22: Thermo Fisher Scientific Inc.: Market Share, by Business Segment, 2017

Figure 23: Thermo Fisher Scientific Inc.: Market Share, by Region, 2017

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