

**PRODUCT OVERVIEW**

# Raman Spectroscopy

-  RAMAN MAPPING
-  PHOTOLUMINESCENCE MICROSCOPY
-  FLIM
-  PLIM

**ABOUT US**

Edinburgh Instruments has been providing high performance instrumentation in the Molecular Spectroscopy market for over 50 years. Our Precision Raman microscopes continue our commitment to offering the highest quality and sensitivity instruments.

**RAMAN MAPPING**
**PHOTOLUMINESCENCE MICROSCOPY**
**FLIM**
**PLIM**

## RMS1000 RESEARCH GRADE MICROSCOPE

**THE RMS1000 IS AN OPEN ARCHITECTURE RESEARCH GRADE CONFOCAL RAMAN MICROSCOPE.**

It has been designed so it can be adapted to almost any modern, state-of-the-art Raman application. This high-end research tool has been built with no compromises; resulting in a system that stands alone in both specification and ease of use. Applications beyond Raman such as time-resolved fluorescence microscopy and fluorescence lifetime imaging (FLIM) are all possible with the versatile RMS1000.



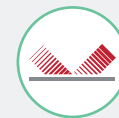
### Key Features


**Truly Confocal**

Multiple position pinhole for high spatial resolution, fluorescence and background rejection and application optimisation.


**2 Spectrographs**

Standard and long focal length spectrographs are available for ultimate resolution, sensitivity, and stray light rejection.


**5 Position Grating Turrets**

for unrivalled spectral resolution from  $<0.1 \text{ cm}^{-1}$  and coverage over  $5 \text{ cm}^{-1} - 30,000 \text{ cm}^{-1}$ .


**Up to 4 detectors**

4 simultaneous detectors can be installed: high efficiency TE-cooled CCDs, EMCCDs, InGaAs and more.


**Inverted and Upright Microscopes**

Reflective and/or transmitted light illumination with options for visualisation and contrast enhancement techniques.

## RM5 COMPACT & FULLY AUTOMATED MICROSCOPE

THE RM5 IS A FULLY AUTOMATED AND FULLY INTEGRATED RAMAN MICROSCOPE FOR ANALYTICAL AND RESEARCH PURPOSES.

The truly confocal design of the RM5 is unique to the market and offers uncompromised spectral resolution, spatial resolution and sensitivity.

Our Raman microscope builds on the expertise of robust and proven building blocks, combined with modern optical design considerations; and a focus on function, precision and speed. The result is a modern Raman microscope that stands alone in both specifications and ease of use.



## Key Features



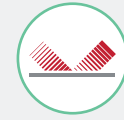
### Truly Confocal

Multiple position pinhole for high spatial resolution, fluorescence and background rejection and application optimisation.



### Up to 3 Raman Lasers

Fully integrated narrowband Raman lasers, computer controlled for ease of use, enhanced stability and reduced footprint.



### 5 Position Grating Turrets

for unrivalled spectral resolution from  $<0.3 \text{ cm}^{-1}$  and coverage over  $<50 \text{ cm}^{-1} - 15,000 \text{ cm}^{-1}$ .



### Up to 2 detectors

Fully integrated detectors: high efficiency CCD, EMCCD and InGaAs arrays for speed, sensitivity and wide spectral range requirements.

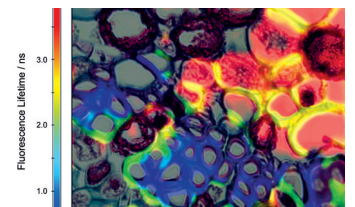
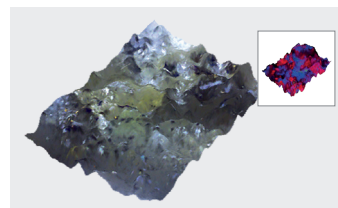
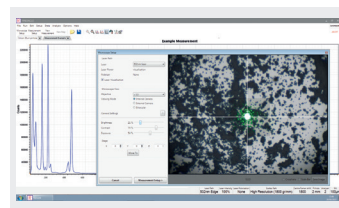


### Auto-Calibration

Internal standards and auto calibration to ensure the highest quality data at all times.

## RAMACLE® RAMAN SOFTWARE

Ramacle is an exceptional software package written for complete instrument control and data handling of all Raman Microscopes. Ramacle controls all functions with a straightforward design concept. It focuses on all modern Raman spectroscopy applications, while at the same time, providing a user-friendly interface with 'ready to publish' outputs.



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