



SPECTROMETERS RAMAN MICROSCOPE

a taste of light

Teksan co

RAMAN MICROSCOPE

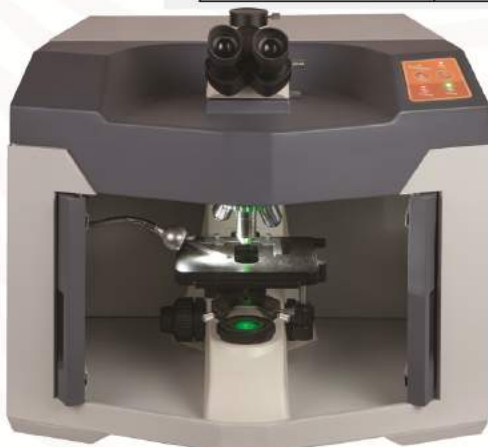


Applications

- ✓ Nanotechnology
- ✓ Geological
- ✓ Chemicals
- ✓ Pharmaceuticals
- ✓ Polymers
- ✓ Forensics

Laser	Type	DPSS Nd:YAG (cw)
	Wavelength	532 nm
	Laser Power (mW)	100
	Power Control	10 Positions (from 10% to 100%) – PC Controlled
Detector	Type	Hamamatsu (High Sensitive and low noise)
	Cooling	Up to -15 °C
	Signal-to-Noise Ratio	1000:1
	Integration Time	15 ms – 10 min
Resolution & Range	Spatial Resolution On Samples (um)	≈12
	Spectral Resolution (cm ⁻¹)	10
	Spectral Range (cm ⁻¹)	150 - 4600
Power Requirements		200 – 240 V AC, 50/60 Hz, Single Phase
Chamber	Weight (kg)	≈ 25
	Size (WxHxD)	57.5 cm x 45 cm (without eyepiece) x 59.5 cm

Specifications



Sample Formats

- Powders in plastic packages
- Liquids in clear and brown glass bottles
 - Powders, liquids, slurries in multi-well plates
 - Samples in tubes, vials, cuvettes
 - Tablets
 - Samples in blister-packs

Portable Raman



Our family of portable Raman spectrometers offer you unprecedented sampling utility, allowing you to do more with less. Each system's small footprint, lightweight design, and low power consumption helps to provide research grade Raman capabilities anywhere

Applications

- Narcotics
- Forensic sciences
- pharmaceutics
- Geology
- Gemology
- Life sciences



02 | Versatility
Solid and liquid samples

01 | Design
Easy to move

03 | Raman shift range
200 - 3500 cm^{-1}

04 | Raman resolution
Less than 8 cm^{-1}

05 | Laser wavelength
Optional : 532nm- 785nm



Portable

Sensitive

Fast

Stable

Flexible

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SPECTROMETERS

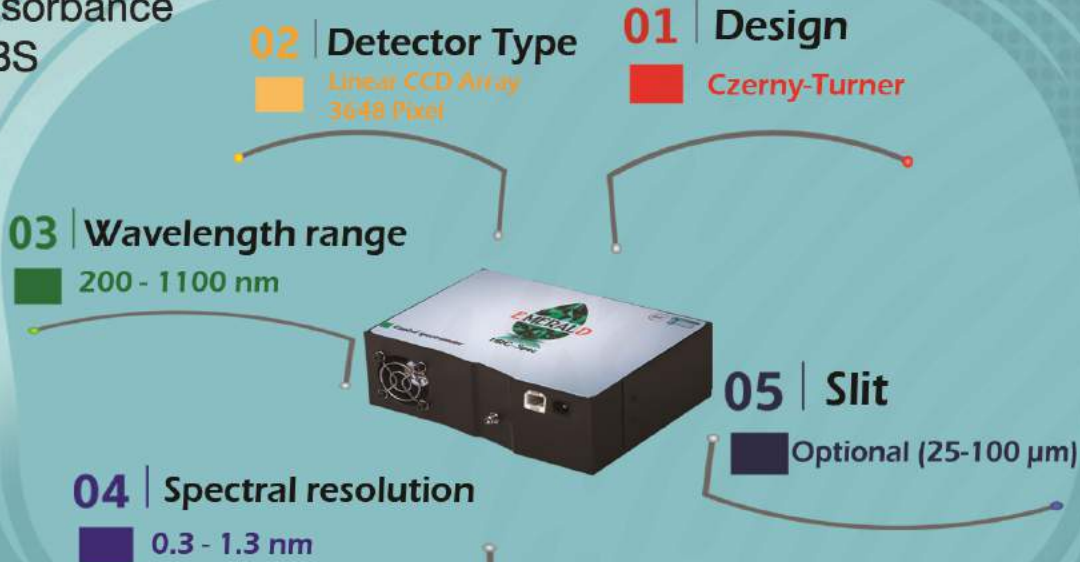


The Emerald spectrometer provides a significant advantage in acquisition time and spatial integrity in demanding Raman spectroscopy imaging applications.



Applications

- Transmittance & Reflection
- Raman
- Fluorescence
- Luminescence
- Near IR
- Absorbance
- LIBS



Portable

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Fast

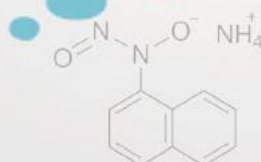
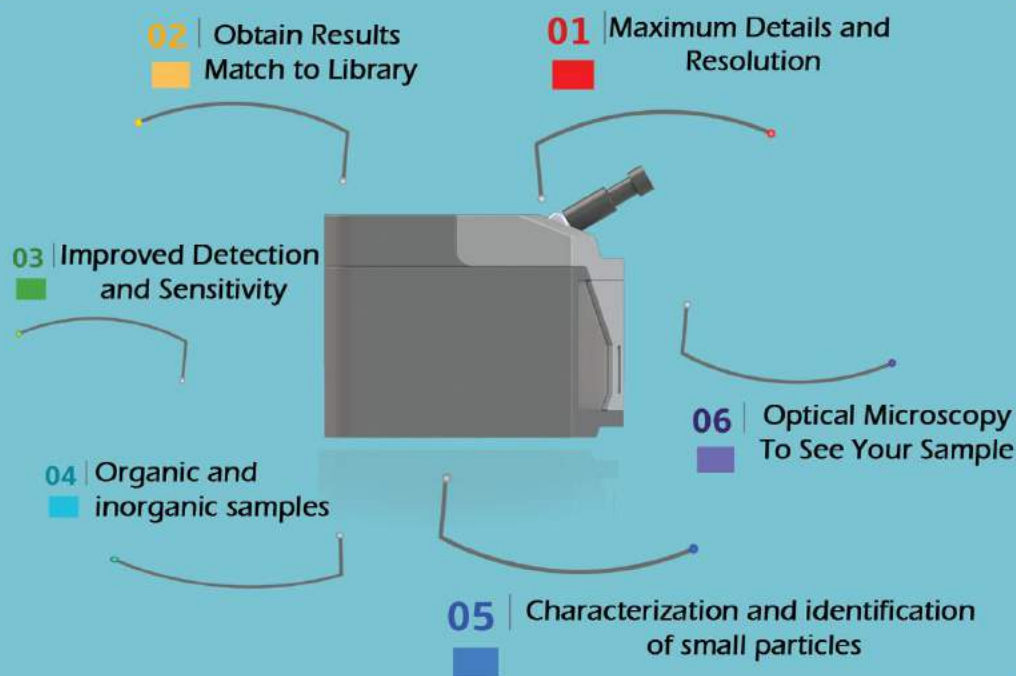
Stable

Flexible

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Apus Raman microscope


Focus on your project or problem, not your instrumentation



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Have a question?
Having a technical issue?
Our Application Scientists will assist you.



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