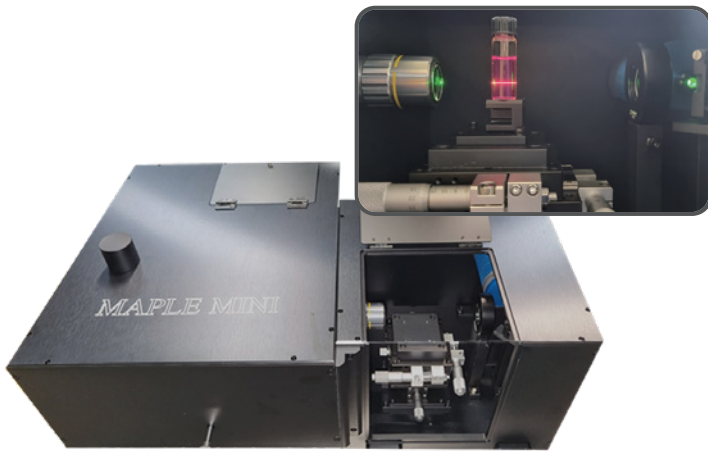


Maple Mini | Micro Raman / PL



Key Features

- Free or Fiber Coupled
- Compact & Modular Design
- Various Laser Line Combined

Application

- Semiconductor Characterization and Testing (III-V Materials)
- GaN / ZnO LED Wafer Surface Characterization (Surface Containment, Uniformity, Reflectivity, Thickness and Bowing Test)
- Solar Cell EL Measurement
- Sensor Development for NIR Range
- Gemstone PL, Diamond by HPTP
- Development of Material of LED with GaN / GaAs
- Reflectance & Transmittance Measurement (SiC / Si / Sapphire Substrate)
- Photoluminescence Excitation (PLE) to Measure the Energy Levels (Properties of Absorption & Recombination)

Specification

Excitation Source

Wavelength	532 / 635 / 785 nm (Select One Laser)
Beam Quality	<1.2 M ²
Output Power	100 mW (CW Mode)

Spectrograph

Focal Length	320 mm (Two exit port)
Spectral Resolution	0.1 nm
Spectrometer (Option)	Fiber Optics Spectromter

Sample Chamber

Maple Mini	Compact Type Micro Sample Chamber Manual Type Stage & Filter Wheel
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Detector

Type	PMT (R928) / Si / InGaAs
Spectral Range	185 ~ 900 nm / 900 ~ 1800 nm
Type (CCD)	TE Cooled CCD (Open Electrode)
Pixel Format	1024 * 256

Software

Solis & Monoworks	User-friendly Interface for Simultaneous Detector & Spectrograph Control
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