



HORIBA Scientific is happy to expand the LabRAM family

HORIBA is now introducing the new **LabRAM Odyssey**, a fully automated and remotely controllable system.

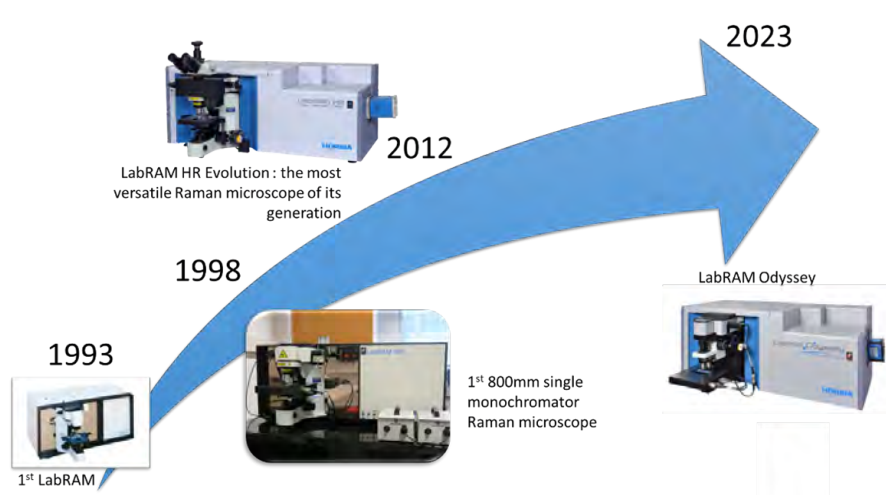
This system is replacing the best seller LabRAM HR Evolution. Developed on the same platform, it offers new functionalities to make it more user-friendly and fully compliant with all market requirements.



[Download the LabRAM Odyssey brochure](#)

30 years of LabRAM history heritage

The LabRAM Odyssey is the latest addition to the LabRAM family. In 1993, Jobin-Yvon introduced the LabRAM system which was the first bench-top Raman microscope with a single monochromator. In 1997, the LabRAM HR system was launched featuring higher performance. With more than 2000 LabRAM HR systems sold globally, the LabRAM Odyssey leverages this strong experience in Raman microspectrometry. If you want to learn more about the microRaman history:



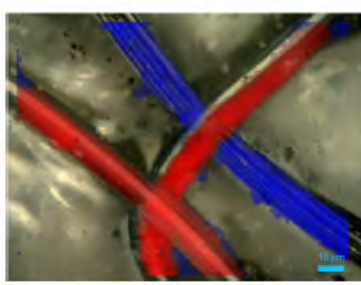
[View the Raman history webpage](#)

A fully calibrated system with VRM and Objective Adjustment

The LabRAM Odyssey now integrates two new calibration tools: VRM and Objective Adjustment.

- VRM (Video-Raman Matching) ensures a perfect match between the video image and the Raman map locations. Such calibration is essential for correlating optical images with the chemical images obtained by Raman microscopy.
- Objective Adjustment allows you to keep your region of interest in the field of view with whichever objective you use simply by adjusting the sample position in XYZ directions.

Without VRM



With VRM



Raman maps of mask fibers obtained without (left) and with (right) VRM calibration

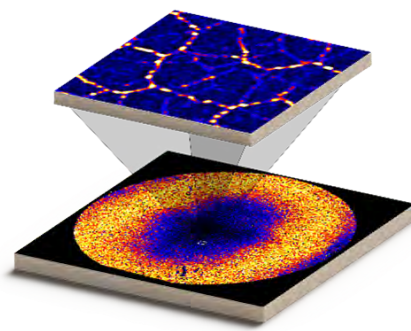
[Download the VRM/OA flyer](#)

LabRAM Odyssey Semiconductor : Your companion for semiconductor wafer characterization

The HORIBA LabRAM Odyssey Semiconductor system is a unique tool for semiconductors metrology and process optimization: This Raman/PL microscope, based on the world leader high resolution LabRAM microscope, is equipped with an automated 300 mm stage to achieve **full mapping of wafers up to 12" diameter in a fast and reliable way.**

LabRAM Odyssey is perfect for acquiring simultaneous PL and Raman maps to assess wafer uniformity and for uncovering defects and investigating them with a high spatial resolution using the stepping imaging mode.

The HORIBA LabRAM Odyssey Semiconductor provides valuable insights into the properties of materials and devices for semiconductor, data storage, LED, photovoltaic and other related nanoelectronics industry R&Ds.



Raman G band area map of a full CVD graphene 4" wafer and of a 40 μm x 40 μm defect region

[View webpages](#)

[Download the brochure](#)

Stay connected



Our mailing address is:

HORIBA
14, boulevard Thomas Gobert
Passage Jobin Yvon - CS 45002
Palaiseau, 91120
France