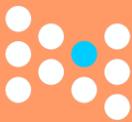


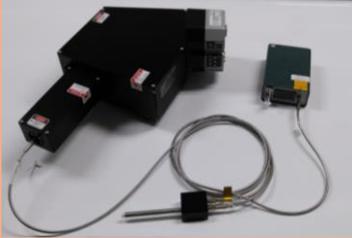
NANOBASE



CUSTOMIZATION GUIDE



This fraction of our 130+ customization projects ensures how your dreams can come true with us.



Electrolyte and anode material oxidation reaction real-time measuring device

Customer : Sogang University

- Featuring F1.4 Raman Spectrometer and Raman probe
- Customized Raman probe tip which can be dipped into solution



CVD coupled Raman system

Customer : Korea Institute of Industrial Technology

- Real-time Raman spectroscopy of materials produced in the CVD chamber
- Objective lens cover and Impeccably sealed probe for protection against exposure to chemical materials



Raman / photocurrent system with probe station

Customer : Samsung Advanced Institute of Technology, GIST, SKKU

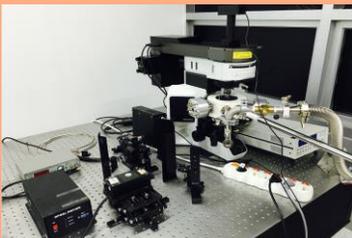
- Featuring supercontinuum laser source
- *XperRAM S Series* customized for study on the electrical and optical properties of wire bonded material such as Si wafer



Cryostat coupled Raman system

Customer : SKKU

- Cryogen free 1.5L cryostat coupled with superconducting magnet system and Raman system conducts tests in 4K temperature environment
- 2D Raman imaging using Piezo actuator



Cryostat coupled photocurrent System

Customer : SKKU

- Photocurrent imaging in the cryostat
- Cryostat integrated on the microscope stage
- No sample movement while mapping process



Cell counting Raman System

Customer : Yonsei University

- Micro Raman system integrated with cell fluidic sorting system
- Raman system detects a cell if each cell spectrum and size falls within a pre-set range, and Raman system also distinguishes cells and particles



WLI module coupled with AFM system

Customer : Park Systems

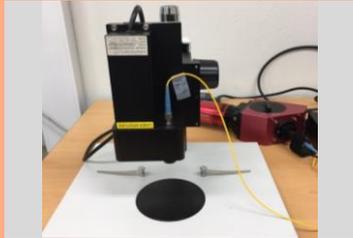
- Our WLI module integrated with counterparty's AFM system to enhance surface measurement capabilities



Indoor/outdoor portable Raman spectroscopy system

Customer : Korean National Research Institute of Cultural Heritage

- For outdoor use : comes in a portable case with 473, 532, 633nm lasers
- For indoor use : mountable on a specially designed microscope station for micro Raman analysis



Macro Raman system for gas emission measurement

Customer : Chung-Ang University

- Macro Raman system with a sample stage
- Featuring 532nm excitation source
- This system is optimized for battery material manufacturing research



Raman microscope coupled with a Montana cryostat

Customer : UNIST

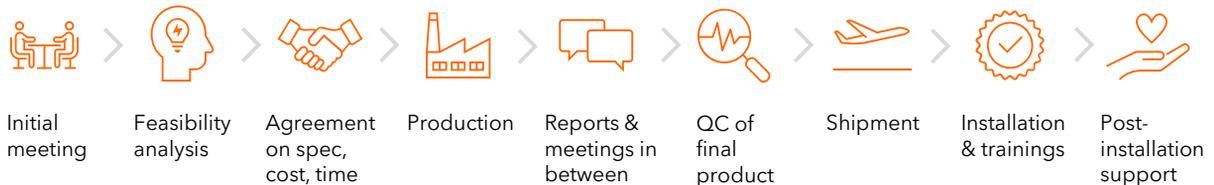
- Micro Raman instrument placed on an XY movement stage
- Specially designed for use of *XperRAM S Series* with *Cryostation s50*

CUSTOMIZABILITY SCOPE

- Integration of our instruments with other functionalities
- Integration of our modular product parts with your own lasers, spectrometers, microscopes, etc
- Design of instruments involving modification of laser beam paths
- Much more possibilities (We live for challenges of making things happen, so just ask us!)

CUSTOMIZATION PROCESS

You will be in close contact with us during the whole customization process.



CUSTOMIZABLE PRODUCTS

We specialize in tailor-making instruments for the following technologies :

- Raman spectrometry
- Raman spectroscopy
- Fluorescence lifetime imaging/measurement
- Photocurrent imaging/measurement
- Interferometric profiling / WLI
- Battery cycling



CUSTOMIZATION GUIDE

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