

End-user	End-user Details	Detailed statement of optical instruments
Kangwon National University	Chemistry Department	Ramboss compact micro (PL/Raman), 532nm / 325nm He-Cd laser
Kangwon National University	Chemistry Education Department	Ramboss star (Raman), 633nm, 532nm laser
Gachon University	Life Sciences Department	MapleII, 325nm He-Cd laser Micro (PL mapping)
Kyungpook National University	New Materials Engineering Department	Ramboss star, Micro low temp Raman (PL mapping), 325 / 532 / 632.8 / 785nm laser
Kyungwon University	Chemical Biotechnology Department	Ramboss star(Raman), 632.8nm
Kyung Hee University	Chemistry Department	Ramboss (Raman System), 632.8nm / 532nm laser SERS
Kyung Hee University	Physics Department	Ramboss star (Raman), 532nm / 325nm laser
Korea University	Electronics & Electrical Engineering Department	Macro PL + low temperature, 325nm laser
Korea University	Chemical Engineering Department	Ramboss (PL/Raman), 532nm / 325nm laser
Korea University	Chemical Engineering Department	Ramboss star(Raman), 633nm / 785nm laser Dark field Rayleigh scatter - Nano particle analysis
Korea University	Biomedical Engineering Department	Maple-II Compact Micro Mapping PL, Raman / 785nm Laser
Korea University	Mechanical Engineering Department	Plasma imaging OES system, KYMERA328i + iStar sCMOS (Gen3)
GIST	Electrical & Computer Engineering Department	Ramboss star (Raman), Micro PL mapping, 325 / 405 / 532 / 785nm laser
GIST	Electrical & Computer Engineering Department	Micro Dark Field Spectroscopic System, Olympus microscopy + QE Pro spectrometer
GIST	Electrical & Computer Engineering Department	Dark-field polarization imaging & spectroscopic system, 532nm / 658nm laser (Mapping)
GIST	Electrical & Computer Engineering Department	Maple-II, PL system (405nm laser)
GIST	Electrical & Computer Engineering Department	Ramboss star (Raman), Micro PL mapping, 532nm laser
GIST	Chemistry Department	Micro spectroscopy system
Kookmin University	Chemical engineering Department	Ramboss compact micro (PL/Raman), 532nm / IR PL System
Agency for Defense Development	(ADD)	MapleII (low temperature PL), 532nm / 1064nm laser, cryostat
Kunsan National University	Chemistry Department	Photon Amplification Spectrometer, KYMERA328i, iXon Ultra EMCCD
Dong-Eui University	Electronic Ceramics Center	Maple II (Mapping PL) + low temperature, 325nm laser
Pusan National University	Physics Department	Ramboss (Raman), 488nm, cryostat
Pusan National University	Nanomaterial Engineering Department	Ramboss star (Raman), 532nm, 785nm laser
Pusan National University	Optical Mecatronics Engineering Department	Ramboss star microscope - Rayleigh scatter, Nano particle analysis
Pusan National University	Physics Department	Ramboss star, Micro Raman (PL mapping), 532nm laser
Sogang University	Chemical and Biological Engineering Department	Ramboss star (micro PL/Raman), 532nm laser / 785nm Laser - Dark field Rayleigh / Nano particle
Seoul National University	Chemistry Department	Ramboss star (Raman), 633nm, 488nm, 375nm laser SERS
Seoul National University	Materials Engineering Department	Ramboss star (Raman /PL), 325nm He-Cd laser, GaN low temperature (PL/Raman)
Seoul National University	Graduate School of Convergence Science and Technology	Ramboss star (Raman), 633nm He-Ne, 514nm Ar laser, 325nm laser He-Cd
Seoul National University	Earth and Environmental Sciences Department	Ramboss micro PL/Raman, 488nm / 514nm Ar laser - Diamond anvil PL
Sungkyunkwan University	Electrical and Electronic Engineering Department	Ramboss (PL/Raman), 514nm laser, cryostat
Sungkyunkwan University	Energy Science Department	Ramboss star microscope - Rayleigh 산란 / Nano particle analysis
Sungkyunkwan University	Department of physics	Maple-II (micro PL/Raman), 532nm Laser
Sungkyunkwan University	New Materials Engineering Department	Maple-II (Micro PL mapping), 532nm laser
University of Seoul	Chemical and Biological Engineering Department	Ramboss (PL/Raman), 532nm / 785nm laser, Dark field Rayleigh scatter - Nano particle analysis
YONSEI UNIVERSITY	New Materials Engineering Department	MapleII (PL), 325nm / 442nm laser
University of Ulsan	Chemistry Department	Ramboss star micro PL/Raman, 473nm - 20 materials
Inha University	Electronic Engineering Department	Maple (PL), 532nm / 1064nm laser
Jeonbuk National University	Physics Department	Ramboss star, Micro Raman mapping system with TCSPC
Korea National University of Education	Chemistry Education Department	Ramboss star, In-situ Micro Raman&PL mapping, 532 / 632.8 / 785nm laser
KITECH	Jeju Division	Maple-II, Micro Raman mapping system, 532 / 785nm laser
Hanyang University	New Materials Engineering Department	Ramboss star (Raman) /Micro PL mapping / 532nm laser
Center for Continuing Education (Hanyang University)	Physics Department	Ramboss (PL/Raman), 514.5nm / 325nm laser, cryostat
Korea Maritime and Ocean University	Physics Department	Maple II (PL), 325nm laser
ICD	Optical Research team	OES system, Plasma
Exopert	Optical Research team	Maple-II Compact Micro Mapping (PL/Raman), 785nm Laser
Korea Electrotechnology Research Institute	(KERI)	Maple II (PL), 325nm laser, mapping
Korea Advanced Institute of Science and Technology	Chemistry Department	Ramboss star (Raman), 632.8nm / 514nm laser, cryostat
Korea Advanced Institute of Science and Technology	Biotechnology Department	Ramboss star (PL/Raman), 633nm laser
Korea Advanced Institute of Science and Technology	Mechanical Engineering Department	Ramboss star, KYMERA328i, iXon Ultra EMCCD
Korea Advanced Institute of Science and Technology	Mechanical Engineering Department	Micro Mapping PL (Raman), 632.8 He-Ne Laser / 532nm Laser
Korea Institute of Science and Technology	Thin-film Technology Center	PL+low temperature, 325nm laser
Korea Institute of Science and Technology	BIOCHEMICAL AND BIOPHYSICAL RESEARCH	PL+low temperature, 325nm laser
Korea Institute of Science and Technology	Nuclear Engineering Department	Ramboss (PL/Raman), 375nm / 532nm laser
Electronics and Telecommunications Research Institute	(ETRI)	Maple-II, NIR Mapping PL, 532nm Laser
Korea Research Institute of Standards and Science	(KRISS)	Ramboss (PL/Raman), 532nm laser, mapping
Korea Research Institute of Standards and Science	(KRISS)	Ramboss star (micro PL/Raman), 532nm laser - Diamond anvil PL
LG Display	R&D Center	Maple II (PL) + PLE+low temperature, 325nm laser
TOTAL		

We hereby certify that the above information given are true and correct.

2023-11-30

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Country	End-user details	Detailed statement of optical instruments
America	University of Dayton	UV PL & VIS Micro Raman system
America	Spire Semiconductor LLC	Micro PL Mapping System
Argentina	Instituto de Astronomía Física Del Espacio	Spectroradiometry System
China	Hefei University of Technology Academe of Opto-Electronic Technology	Macro PL
China	Changchun Institute of optics, fine mechanics and physics Chinese Academy of Sciences	Macro PL / ATR System
China	Anhui Light Industries International	Macro PL Mapping System
China	Shanghai Jiaotong University	Macro PL PLE System
Finland	Compek Technology	PL Mapping System
India	National Institute of Science Education and Research	Low temperature Micro PL / EL / Raman System
India	Indian Institute of Technology Indore	Madhya Pradesh- Maple Low temp(80k) macro PL system
India	Department of Physics & Astrophysics University of Delhi	Low-temperature Micro PL Mapping + PLE System
India	India Institute of Technology	(1st)Macro PL Mapping System
India	India Institute of Technology	(2nd)Macro PL Mapping System
India	India Institute of Technology	(3rd)Macro PL Mapping System
India	SRI Venkateswara University	Micro Raman System
India	Space Applications Centre	Low temperature Macro PL System
Saudi Arabia	MAJMA UNIVERSITY	Room temp macro PL Raman PLE system with 325 / 532 / 830 nm laser
Saudi Arabia	King Abdul Aziz University Physics	Low temp Macro PLE system
Saudi Arabia	King Saud University	Macro PL/PLE System
Saudi Arabia	ASNA	Maple II PL Raman system with Crotat & TCSPC
Taiwan	National Taipei University of Technology	Ramboss500, microscope raman
Taiwan	National CHENGHUA University of Education	Micro PL Mapping System
Taiwan	National KAOHSUNG Marine Science University	Micro Raman + UV NIR ATR System
Taiwan	LONGTAN Military of Defense	Micro Raman System
Taiwan	National Taiwan University	Ramboss, Microscope Raman / PL system
Taiwan	National Changhua University of Education Institute of Photonics	Ramboss Micro Raman PL System
Taiwan	National Gaushang Marine Science University Taiwan	Micro Raman
Türkiye	Recep Tayyip Erdogan University Department of Physics	Low temp Macro PL / PLE / RT System
Türkiye	Ataturk University	Low temperature Macro PL System
Türkiye	Teknotip	MonoRa322i, Spectrograph
Pakistan	National Institute of Laser and Optronics	Micro PL Raman System
Pakistan	COMSATS INSTITUTE OF INFORMATION TECHNOLOGY	Low temp Macro Micro PL & Room temp Micro Raman System with 325 & Ar ion laser
Pakistan	SHAH Scientific	Maple Mini PL Raman System
Pakistan	Ramboss Sports	Micro PL Raman system with mapping, 532nm / 632.8nm / 785nm
Russia	NPP Kvant	PL Mapping System
TOTAL		

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