

ID	Equipment	Place	Unit
NM-001	NMR (ECS-400)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-002	LC-MS (Q-Exactive Plus)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-020	LC-MS (Orbitrap Exploris 480)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-003	Raman microscope (inVia Reflex)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-004	Confocal laser scanning fluorescence microscope (SP5)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-005	Atomic force microscope (AFM) in liquid (NanoWizard 4 XP)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-006	Tabletop scanning electron microscope (SEM) (TM4000PlusII, TM3000)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-007	Surface plasmon resonance (SPR) instrument (Biacore X100)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-008	Plate reader (EnSight)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-009	Spectrophotometer (U-2900)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-010	Fluorescence spectrophotometer (F-7000)	Sengen-site / Materials Reliability Lab. 202	Bioanalysis Unit
NM-011	FT-IR (IRTracer-100)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-012	Circular dichroism (CD) (J-725)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-013	Zeta potential analyzer (ELSZ-1000Z)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-014	Dynamic light scattering (DLS) spectrophotometer (DLS-8000HAL)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-015	Particle size analyzer (SALD-2100)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-016	Contact angle meter (VCA Optima-XE)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-017	Texture analyzer (TA-XT2i)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-018	HPLC with MS (Prominence, LXQ)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-019	Gel permeation chromatography (GPC) (Nexera40, DAWN 8, GPC-101)	Sengen-site / Materials Reliability Lab. 205	Bioanalysis Unit
NM-101	500 MHz Solid-State NMR ( I ) (JNM-ECZ500R)	Sakura-site / The 2nd NMR Lab. 107	High Magnetic Field Characterization Unit
NM-102	500 MHz Solid-State NMR ( II ) (JNM-ECZ500R)	Sakura-site / The 2nd NMR Lab. 108	High Magnetic Field Characterization Unit
NM-103	800 MHz Solid-State high-resolution NMR (JNM-ECA800 )	Sakura-site / The 2nd NMR Lab. 109	High Magnetic Field Characterization Unit
NM-201	Single Crystal X-ray Diffractometer for Multiple Environments (XtaLAB Synergy-R/DW Custom)	Namiki-site / Main Research Bldg. 317	Surface and Bulk Analysis Unit
NM-209	sXRD_R_DW_LT_Pilatus_NSC (VariMax DW AFC11 with Pilatus)	Namiki-site / Main Research Bldg. 320	Surface and Bulk Analysis Unit
NM-204	pXRD_Multi_Cu_R_SSL (SmartLab 9 kW)	Sengen-site / Materials Evaluation Lab. 212	Surface and Bulk Analysis Unit
NM-210	pXRD_LT/HT_Cu1_R_NTS (SmartLab 9 kW with cryostat/furnace)	Namiki-site / Main Research Bldg. 317	Surface and Bulk Analysis Unit
NM-211	pXRD_Cu_ASC_NS3 (SmartLab3)	Namiki-site / Main Research Bldg. 320	Surface and Bulk Analysis Unit
NM-212	pXRD_Cu_ASC_NC1 (MiniFlex600_Cu)	Namiki-site / Main Research Bldg. 322	Surface and Bulk Analysis Unit
NM-213	pXRD_Cu_ASC_NC2 (MiniFlex600_Cu)	Namiki-site / Main Research Bldg. 322	Surface and Bulk Analysis Unit
NM-214	pXRD_Cr_SCR (MiniFlex600_Cr)	Sengen-site / Materials Evaluation Lab. 214	Surface and Bulk Analysis Unit
NM-215	pXRD_Cu_SMF (MiniFlex600_Cu)	Sengen-site / Materials Evaluation Lab. 214	Surface and Bulk Analysis Unit
NM-216	TF-XRD_Cu (SmartLab)	Namiki-site / MANA Bldg. 401	Surface and Bulk Analysis Unit
NM-228	Micro Energy Dispersive X-ray Fluorescence Spectrometer (Micro-EDXRF)	Sengen-site / Fine Processing Lab. 313	Surface and Bulk Analysis Unit
NM-202	Dual Scanning X-ray Photoelectron Microprobe Equipped with Hard X-Ray (HAX-PES/XPS) (Quantes)	Namiki-site / MANA Bldg. 403	Surface and Bulk Analysis Unit
NM-225	XPS (Quantera SXM)	Sengen-site / Physical Analysis Lab. 124	Surface and Bulk Analysis Unit
NM-203	Inductively Coupled Plasma Optical Emission Spectrometers / Inductively Coupled Plasma Mass Spectrometers	Sengen-site / Fine Processing Lab. 317, 319/Namiki-site /Main Research Bldg. 311	Surface and Bulk Analysis Unit
NM-230	Glow Discharge Mass Spectrometer (GD-MS)	Sengen-site / Fine Processing Lab. 311	Surface and Bulk Analysis Unit
NM-205	Time-of-flight Secondary Ion Mass Spectrometry (TOF-SIMS) (PHI TRIFT V nanoTOF)	Sengen-site / Physical Analysis Lab. 123	Surface and Bulk Analysis Unit
NM-229	Ion chromatograph	Sengen-site / Fine Processing Lab. 312	Surface and Bulk Analysis Unit
NM-206	Oxygen/Nitrogen/Hydrogen Analyzer (ONH836) , Carbon/Sulfer Analyzer (CS844)	Sengen-site / Fine Processing Lab. 314	Surface and Bulk Analysis Unit
NM-217	TG/DTA + DSC (TG/DTA 6200, X-DSC7000)	Namiki-site / MANA Bldg. 403	Surface and Bulk Analysis Unit
NM-218	Zeta-potential/Particle-size analyzer (ELSZ-2000ZS)	Namiki-site / MANA Bldg. 403	Surface and Bulk Analysis Unit
NM-219	FT-IR (IRAffinity-1s)	Namiki-site / MANA Bldg. 404	Surface and Bulk Analysis Unit
NM-220	UV-Vis-NIR (V-770)	Namiki-site / MANA Bldg. 404	Surface and Bulk Analysis Unit

ID	Equipment	Place	Unit
NM-221	Spectrofluorometer (FP-8500DS)	Namiki-site / MANA Bldg. 404	Surface and Bulk Analysis Unit
NM-222	Spectrofluorometer (Fluorolog-3)	Namiki-site / MANA Bldg. 403	Surface and Bulk Analysis Unit
NM-223	Fourier transform infrared spectrometer (FT/IR-6700)	Sengen-site / Fine Processing Lab. 202	Surface and Bulk Analysis Unit
NM-224	Medium- and low-temperature differential thermal analyzer (DSC200F3)	Sengen-site / Fine Processing Lab. 303	Surface and Bulk Analysis Unit
NM-207	Field Emission Electron Probe Micro-Analyzer (FE-EPMA) (JXA-8500F)	Sengen-site / Physical Analysis Lab. 122	Surface and Bulk Analysis Unit
NM-208	Scanning Auger Electron Microprobe (CHA Type AES) (JAMP-9500F)	Sengen-site / Physical Analysis Lab. 111	Surface and Bulk Analysis Unit
NM-226	Schottky FE-SEM (JSM-7001F)	Sengen-site / Physical Analysis Lab. 112	Surface and Bulk Analysis Unit
NM-227	FE-SEM (SU-8000)	Sengen-site / Physical Analysis Lab. 114	Surface and Bulk Analysis Unit
NM-231	Field Emission Scanning Electron Microscope (JSM-6500F)	Sengen-site / Physical Analysis Lab. 113	Surface and Bulk Analysis Unit
NM-232	Scanning Electron Micoscope (JSM-6510)	Sengen-site / Physical Analysis Lab. 112	Surface and Bulk Analysis Unit
NM-403	FIB-SEM combined apparatus for automatic preparation of TEM specimens (NX5000)	Namiki-site / Quake-Free Lab. 107	Electron Microscopy Unit
NM-404	Damage-less TEM specimen milling apparatus (Model 1040 Nanomill)	Namiki-site / High Voltage Electron Microscope Lab. 102	Electron Microscopy Unit
NM-407	Ceramics sample preparation facilities	Namiki-site / High Voltage Electron Microscope Lab. 110	Electron Microscopy Unit
NM-501	Real working environment physical characterization TEM (JEM-ARM200F-G)	Sengen-site / Materials Reliability Lab. 118	Electron Microscopy Unit
NM-502	Real working environmental electron holography microscope (JEM-ARM200F-B)	Sengen-site / Fine Processing Lab. 125	Electron Microscopy Unit
NM-503	200kV field emission transmission electron microscope (JEM-2100F1)	Sengen-site / Physical Analysis Lab. 126	Electron Microscopy Unit
NM-504	200kV field emission transmission electron microscope (JEM-2100F2)	Sengen-site / Physical Analysis Lab. 117	Electron Microscopy Unit
NM-505	200kV transmission electron microscope (JEM-2100)	Sengen-site / Physical Analysis Lab. 119	Electron Microscopy Unit
NM-506	Double-tilt bias and heating TEM holder (Lightning)	Sengen-site / Physical Analysis Lab. 128	Electron Microscopy Unit
NM-507	Double-tilt LN2 cryo TEM holder (Gatan 636)	Sengen-site / Physical Analysis Lab. 128	Electron Microscopy Unit
NM-508	Field emission scanning electron microscope (JSM-7000F)	Sengen-site / Physical Analysis Lab. 212	Electron Microscopy Unit
NM-302	Orthogonal FIB-SEM(SMF-1000)	Sengen-site / Advanced Structural Materials Bldg. 109	Electron Microscopy Unit
NM-517	FIB/SEM microfabrication instrument(Helios 650)	Sengen-site / Physical Analysis Lab. 129	Electron Microscopy Unit
NM-509	Dual Beam system (NB5000)	Sengen-site / Physical Analysis Lab. 129	Electron Microscopy Unit
NM-510	Focused Ion Beam system (JIB-4000)	Sengen-site / Physical Analysis Lab. 115	Electron Microscopy Unit
NM-511	Focused Ion Beam system (JEM-9320FIB)	Sengen-site / Physical Analysis Lab. 115	Electron Microscopy Unit
NM-512	Focused Ion Beam system (JEM-9310FIB)	Sengen-site / Physical Analysis Lab. 212	Electron Microscopy Unit
NM-513	Pick-up System	Sengen-site / Physical Analysis Lab. 115	Electron Microscopy Unit
NM-514	Ultramicrotome (Leica EM UC6)	Sengen-site / Physical Analysis Lab. 128	Electron Microscopy Unit
NM-515	Electron tomography analysis system	Sengen-site / Physical Analysis Lab. 105	Electron Microscopy Unit
NM-516	TEM sample preparation apparatus	Sengen-site / Physical Analysis Lab. 103, 108	Electron Microscopy Unit

ID	Equipment	Place	Unit
NM-661	EB Lithography [JBX-8100FS]	Sengen-site / Materials Reliability Lab. 119	Nanofabrication Unit
NM-601	EB Lithography [ELS-F125]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-635	EB Lithography [ELS-BODEN100]	Namiki-site / MANA Bldg. 503	Nanofabrication Unit
NM-603	Laser Lithography [DWL66+]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-636	Maskless Lithography [DL-1000]	Namiki-site / MANA Bldg. 503	Nanofabrication Unit
NM-604	Maskless Lithography [DL-1000/NC2P]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-660	Maskless Lithography [MLA150]	Sengen-site / Materials Reliability Lab. 102	Nanofabrication Unit
NM-637	Mask Aligner [MA-6]	Namiki-site / MANA Bldg. 502	Nanofabrication Unit
NM-605	H2O Plasma Cleaner [AQ-500 #1]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-638	H2O Plasma Cleaner [AQ-500 #2]	Namiki-site / MANA Bldg. 502	Nanofabrication Unit
NM-606	UV Ozone Cleaner [UV-1]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-668	Steam Two-Fluid Cleaning System [SSM101]	Sengen-site / Materials Reliability Lab. 102	Nanofabrication Unit
NM-608	Sputter [JSP-8000]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-641	Sputter [CFS-4EP-LL #2]	Namiki-site / MANA Bldg. 504	Nanofabrication Unit
NM-607	Sputter [CFS-4EP-LL #3]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-664	Sputter [CFS-4EP-LL #4]	Namiki-site / MANA Bldg. 504	Nanofabrication Unit
NM-610	EB Evaporator [RDEB-1206K]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-609	EB Evaporator [ADS-E86]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-642	EB Evaporator [MB-501010]	Namiki-site / MANA Bldg. 505	Nanofabrication Unit
NM-665	EB Evaporator [ADS-E810]	Namiki-site / MANA Bldg. 504	Nanofabrication Unit
NM-644	ALD [SUNALE R-150]	Namiki-site / MANA Bldg. 503	Nanofabrication Unit
NM-611	ALD [AD-230LP]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-633	SiO2 PECVD [PD-220NL]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-612	SiN PECVD [PD-220NL]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-613	Auto Lift-Off [KLO-150CBU]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-614	CCP-RIE [RIE-200NL]	Namiki-site / MANA Bldg. 506	Nanofabrication Unit
NM-615	ICP-RIE [RIE-101iPH]	Namiki-site / MANA Bldg. 506	Nanofabrication Unit
NM-617	ICP-RIE [RV-APS-SE]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-645	ICP-RIE [CE300]	Namiki-site / MANA Bldg. 503	Nanofabrication Unit
NM-616	Si Deep RIE [ASE-SRE]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-618	ALE [PlasmaPro 100 ALE]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-662	ICP-RIE [Spica]	Sengen-site / Materials Reliability Lab. 102	Nanofabrication Unit
NM-646	RTA [RTP-6 #1]	Namiki-site / MANA Bldg. 504	Nanofabrication Unit
NM-619	RTA [RTP-6 #2]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-634	RTA [RTP-6 #3]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-621	FE-SEM [S-4800]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-647	FE-SEM+EDX [S-4800]	Namiki-site / MANA Bldg. 414	Nanofabrication Unit
NM-648	FE-SEM+EDX [SU8000]	Namiki-site / MANA Bldg. 414	Nanofabrication Unit
NM-649	FE-SEM+EDX [SU8230]	Namiki-site / MANA Bldg. 506	Nanofabrication Unit
NM-667	FE-SEM+EDX [JSM-IT800]	Sengen-site / Materials Reliability Lab. 116	Nanofabrication Unit
NM-650	Tabletop SEM+EDX [TM3000]	Namiki-site / MANA Bldg. 414	Nanofabrication Unit
NM-622	SPM [Jupiter XR]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-651	SPM [L-trace]	Namiki-site / MANA Bldg. 513	Nanofabrication Unit
NM-652	SPM [Nanoscope5]	Namiki-site / MANA Bldg. 513	Nanofabrication Unit
NM-623	Laser Microscope [LEXT OLS4000]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-653	Laser Microscope [VK-9700]	Namiki-site / MANA Bldg. 513	Nanofabrication Unit
NM-626	Surface Profilometer [Dektak XT-A #1]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-666	Surface Profilometer [Dektak XT-A #2]	Namiki-site / MANA Bldg.	Nanofabrication Unit
NM-654	Surface Profilometer [Dektak 6M]	Namiki-site / MANA Bldg. 502	Nanofabrication Unit
NM-625	Ellipsometer [MARY-102FM]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-655	Spectroscopic Ellipsometer [M2000]	Namiki-site / MANA Bldg. 505	Nanofabrication Unit
NM-663	Spectroscopic Ellipsometer [UNECS-2000A]	Sengen-site / Materials Reliability Lab. 102	Nanofabrication Unit
NM-624	Optical Film Mapper [F54-XY-200-UV]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-628	Thin-Film Stress Tester [FLX-2000-A]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-629	Dicing Saw [DAD322]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-656	Dicing Saw [DAD3220]	Namiki-site / MANA Bldg. 506	Nanofabrication Unit
NM-630	Room Temp. Prober [MX-200/B]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-657	Room Temp. Prober [HMP-400]	Namiki-site / MANA Bldg. 513	Nanofabrication Unit
NM-658	Low Temp. Prober [GRAIL-408-32-B]	Namiki-site / MANA Bldg. 513	Nanofabrication Unit
NM-631	Liquid N2 Prober [SB-LN2]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit
NM-659	Wire Bonder [7476D #1]	Namiki-site / MANA Bldg. 513	Nanofabrication Unit
NM-632	Wire Bonder [7476D #2]	Sengen-site / Materials Reliability Lab.	Nanofabrication Unit