



ADVANCE SCIENTIFIC EQUIPMENT PVT. LTD.

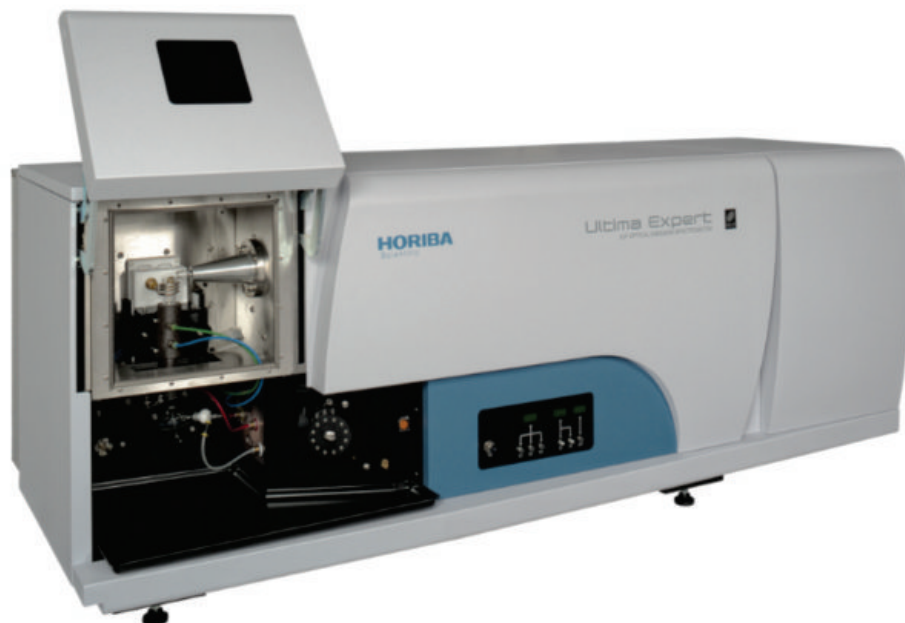
Innovative Solutions • Quality Services

Since 1990

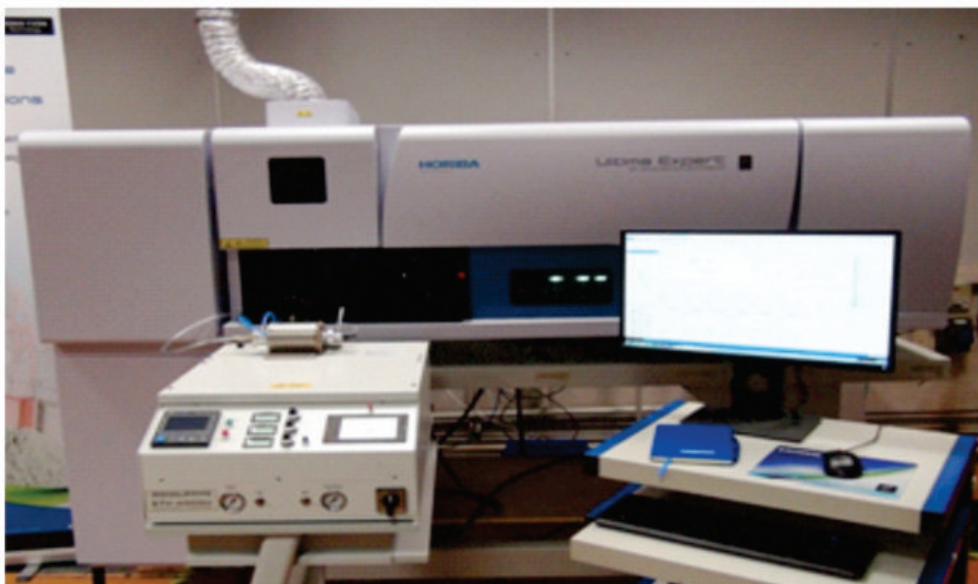
The image displays a periodic table of elements with a molecular model and chemical structures overlaid. The molecular model features a central blue atom bonded to orange, black, red, and green atoms. Chemical structures include hexagons and a chain of hexagons. The periodic table is color-coded by groups.

1 H Hydrogen 1.0079																	2 He Helium 4.0026										
3 Li Lithium 6.941	4 Be Beryllium 9.0122											5 B Boron 10.81	6 C Carbon 12.0107	7 N Nitrogen 14.0067	8 O Oxygen 15.9994	9 F Fluorine 18.9984	10 Ne Neon 20.1797										
11 Na Sodium 22.9897	12 Mg Magnesium 24.305											13 Al Aluminum 26.9815	14 Si Silicon 28.0855	15 P Phosphorus 30.9738	16 S Sulfur 32.065	17 Cl Chlorine 35.453	18 Ar Argon 39.948										
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.9559	22 Ti Titanium 47.867	23 V Vanadium 50.9415	24 Cr Chromium 51.9961	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.9332	28 Ni Nickel 58.6934	29 Cu Copper 63.546	30 Zn Zinc 65.409	31 Ga Gallium 69.723	32 Ge Germanium 72.64	33 As Arsenic 74.9216	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.798										
37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.9059	40 Zr Zirconium 91.224	41 Nb Niobium 92.9064	42 Mo Molybdenum 95.94	43 Tc Technetium (98)	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.9055	46 Pd Palladium 106.42	47 Ag Silver 107.8682	48 Cd Cadmium 112.411	49 In Indium 114.818	50 Sn Tin 118.710	51 Sb Antimony 121.76	52 Te Tellurium 127.6	53 I Iodine 126.9045	54 Xe Xenon 131.29										
55 Cs Cesium 132.9055	56 Ba Barium 137.327											72 Hf Hafnium 178.49	73 Ta Tantalum 180.9479	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.217	78 Pt Platinum 195.078	79 Au Gold 196.9665	80 Hg Mercury 200.59	81 Tl Thallium 204.3833	82 Pb Lead 207.2	83 Bi Bismuth 208.9804	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)	
87 Fr Francium (223)	88 Ra Radium (226)											104 Rf Rutherfordium (261)	105 Db Dubnium (262)	106 Sg Seaborgium (266)	107 Bh Bohrium (264)	108 Hs Hassium (271)	109 Mt Meitnerium (268)	110 Ds Darmstadtium (271)	111 Rg Roentgenium (272)	112 Uub Ununbium (277)							
		57 La Lanthanum 138.9055	58 Ce Cerium 140.116	59 Pr Praseodymium 140.9077	60 Nd Neodymium 144.24	61 Pm Promethium (145)	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.9253	66 Dy Dysprosium 162.5	67 Ho Holmium 164.9303	68 Er Erbium 167.259	69 Tm Thulium 168.9342	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967											
		89 Ac Actinium 227.03	90 Th Thorium 232.0381	91 Pa Protactinium 231.0359	92 U Uranium 238.0289	93 Np Neptunium (237)	94 Pu Plutonium (244)	95 Am Americium (243)	96 Cm Curium (247)	97 Bk Berkelium (247)	98 Cf Californium (251)	99 Es Einsteinium (252)	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (260)											

INDUCTIVELY COUPLED PLASMA - OPTICAL EMISSION SPECTROMETER (ICP-OES)

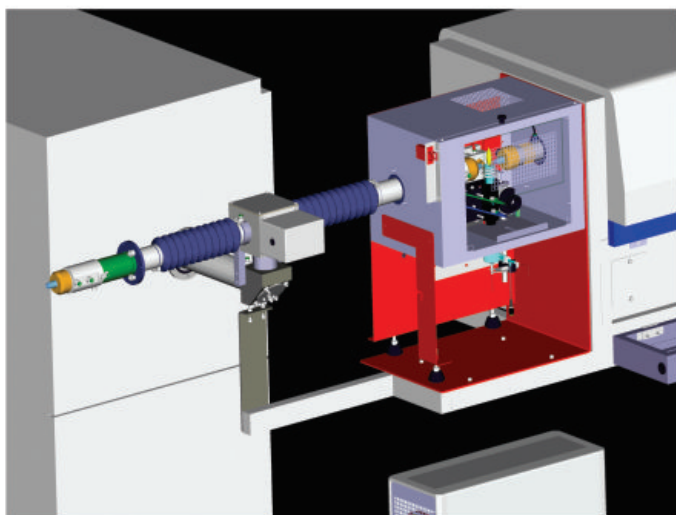


ICP-OES with ETV



Spectrometer with Electrothermal Vaporization (ICP+ETV)

GLOVE BOX ADAPTABLE ICP - OES



ED-XRF SPECTROMETER



NEX QC



NEX QC+



NEX QC + Quant EZ



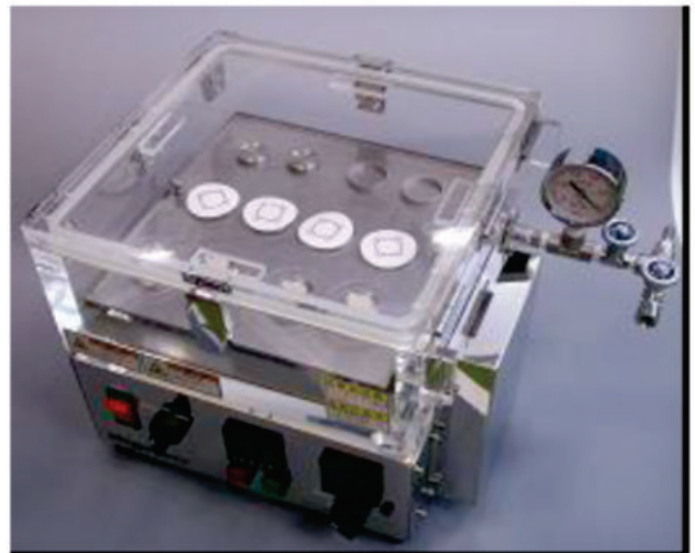
NEX DE



NEX DE VS



NEX CG-II



Ultra Carry for PPB Level Analysis

Glow-Discharge Optical Emission Spectrometer

Strategies for Handling Multiple Samples

GD operation does not require Ultra High Vacuum Sealing. Air-sensitive, small, porous or non-flat samples can therefore be measured using dedicated holders or mounting strategies.

Large Sample Compartment

The large sample compartment helps you measure large samples but also allows the use of various accessories for handling multiple samples.

Li Bell

For air-sensitive materials or rough samples.

Small Sample Accessory

When samples are small. Also available: smaller anode diameters, Indium kit, etc.

Methodology for flexible thin films

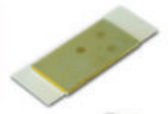
Coated PET film on Aluminium substrate.

Elephant anode

Strategies for non-flat samples to ensure proper distance anode/sample and vacuum seal.

Sample holder for SEM cross-section preparation

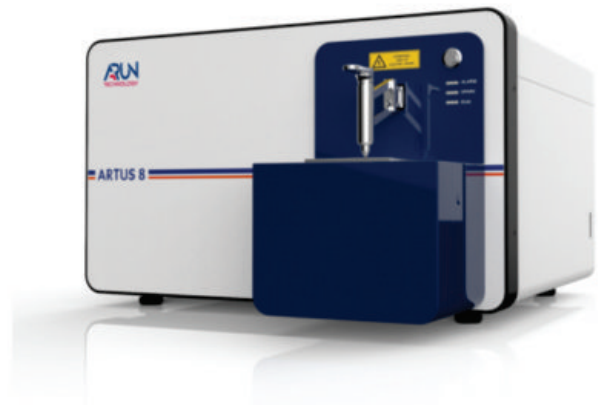
The sample's cross section is sandwiched between 2 stainless blocks placed inside a vacuum-tight holder.



Plasma Profiling Time of Flight Mass Spectrometer (PP-TOFMS)



Spark-OES (MERLIN 4)



Spark-OES (ARTUS 8)



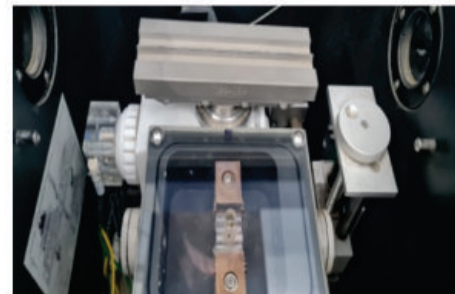
Laser-Induced Breakdown Spectrometer (Calibus-LIBS)



Spark-OES (ARTUS 10)



Atomic Absorption Spectrometer (Trace AI 1800)



Patented Auto Dilution Nebulizer
No need of separate Dilution System

PARTICLE SIZE ANALYZER

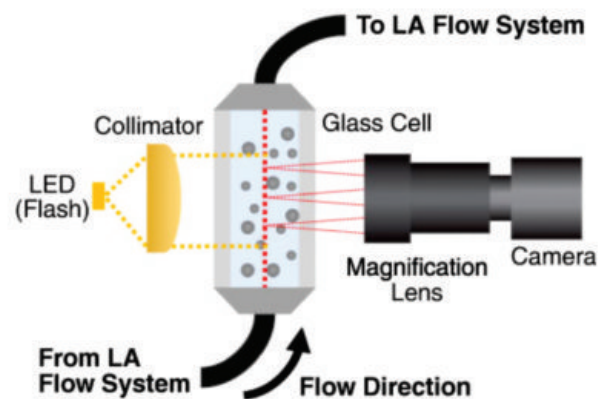


Nano Particle Size & Zeta Potential Analyzer

Laser Diffraction Particle Size Distribution Analyzer



Imaging Unit LY-9610



Laser Diffraction Particle Size Distribution Analyzer with Imaging Unit

CS-OXH ANALYZERS



Carbon/Sulfur Analyzer (EMIA-Pro)



Carbon/Sulfur Analyzer (EMIA-Expert)



Carbon/Sulfur Analyzer (EMIA Step)



Oxygen/Nitrogen/Hydrogen Analyzer (EMGA-Pro)



Oxygen/Nitrogen/Hydrogen Analyzer (EMGA-Expert)



Oxygen/Nitrogen Analyzer (EMGA-920)



Hydrogen Analyzer (EMGA-921)



Oxygen/Nitrogen/Hydrogen Analyzer (EMGA-930)



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