

HORIBA, Japan



XploRA™ PLUS  
Raman Spectrometer -  
Confocal Raman  
Microscope



LabRAM HR Evolution  
Confocal Raman Microscope



MacroRAM™  
Affordable Benchtop  
Raman Spectrometer



UV Raman Spectrometer  
for UV Raman spectroscopist



AFM-Raman for  
physical and chemical  
imaging



XploRA Nano  
AFM-Raman for Physical and  
Chemical imaging



OmegaScope  
The AFM optical platform



Duetta-Fluorescence and  
Absorbance  
Spectrometer



FluoroMax-Steady State and  
Lifetime Bench-top  
Spectrofluorometer





**XGT-9000**  
X-ray Analytical  
Microscope



**MESA-50**  
X-Ray Fluorescence Analyzer



**Partica LA-960V2\***  
Laser Scattering Particle  
Size Distribution  
Analyzer



**ViewSizer 3000**  
The Better Way to Characterize  
Nanoparticles



**CAMSIZER P4\***  
Dynamic Image Analysis  
System Particle Size



**CAMSIZER X2\***  
Dynamic Image Analysis System Particle  
Size



**PSA300\***  
Static Image Analysis  
System Particle Siz



**SLFA-60**  
X-ray Fluorescence  
Sulfur-in-Oil Analyzer



**X-5000\***  
Energy Dispersive X-ray  
Fluorescence Analyzer



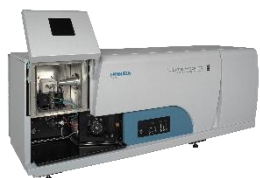
**MESA-7220V2**  
X-ray Fluorescence  
Sulfur/Chlorine-in-oil  
Analyzer



**XPLOER-NS\***  
Total Nitrogen and Sulfur Analyzer



**Ultima Expert-High**  
resolution, high  
sensitivity and high  
stability ICP-OES



**Ultima Expert LT**  
Affordable high performance ICP-  
OES



**EMGA-930 O/N/H**  
analyzer: It's a "New  
flagship model" for O/N/H  
analyzers and user-friendly  
product.



**EMIA-Expert**  
Carbon/Sulfur Analyzer



**SPRi-Continuous Flow**  
Microspotter™ (SPRi-  
CFM)  
Automatic printer for  
biomolecules



**OpenPlex**  
Manual label-free molecular  
interaction analysis machine  
Flexible Research Platform

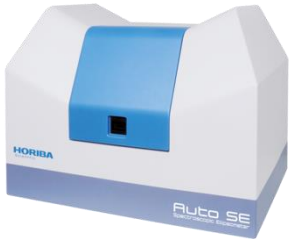


**SPRi-Arrayer**  
Direct contact spotting



**GD-Profiler 2™ (GD-OES)**

Discover a Whole New World of Information with Glow Discharge Optical Emission Spectrometer



Auto SE-Spectroscopic Ellipsometer for Simple Thin Film Measurement



Spectroscopic Ellipsometer - Large area mapping Ellipsometers For Flat Panel Display and Photovoltaic Industries



CrimeScope CS-16-500W Forensic Light Source



CrimeScope CS-16-500W Forensic Light Source



FOCUS LED Alternate Light Source



HandScope HS LED  
The only LED unit that changes and selects wavelengths like a forensic light source.



Automated Fingerprint / Palmprint Identification Systems [AFIS/APIS]



**MicOS**

Photoluminescence  
Microspectrometer



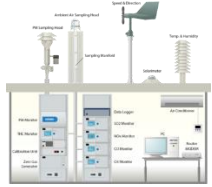
Flexible High Performance  
Cathodoluminescence (CL)  
Systems



Vacuum UV (VUV)  
Spectroscopy



Vacuum UV (VUV) Spectroscopy



Air Quality Monitoring  
System - AQMS



APCA-370  
Ambient Carbon Dioxide Monitor

- APCA-370 Ambient Carbon Dioxide Monitor
- APDA-371 Ambient Dust Monitor
- APHA-370 Ambient THC monitor
- APOA-370- Ambient

**Ozone Monitor**

- APMA-370 Ambient Carbon Monoxide Monitor
- APNA-370 Ambient NOx Monitor
- APNA-370 Ambient NOx Monitor



**PG-300 Portable Gas Analyzer**

The PG-300 is a compact and lightweight stack gas analyzer that can simultaneously measure up to five separate gas components...



GI-700 series  
Stack Gas Analyzer



51 series  
Explosion-proof Gas  
Analyzer



OCMA-550  
Oil Content Analyzer



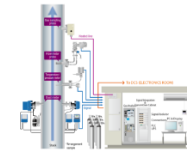
- HC-200NH-Ammonia Nitrogen Meter
- HC-300F (Two-Wire Transmitter)
- Industrial simplified fluoride ion concentration meter
- HE-200C Industrial electric conductivity meter (Four-Wire Analyzer)
- HE-200H (Four-Wire Analyzer)
- Industrial electric conductivity meter
- HE-200R-Industrial electric resistivity meter (Four-Wire Analyzer)
- HP-200-Industrial pH meter (Four-Wire Analyzer)
- HP-200-K (Four-Wire Analyzer)
- Industrial pH meter
- HP-300-Industrial pH meter (Two-Wire Transmitter)
- HP-480-Industrial pH meter
- IT-480 series-High-Accuracy Infrared Thermometers [Stationary type]
- HC-200F (Four-Wire Analyzer)
- Industrial simplified fluoride ion concentration meter



- HD-200 Industrial dissolved oxygen analyzer (Four-Wire Analyzer)
- HD-300-Industrial dissolved oxygen analyzer (Two-Wire Transmitter)



IT-545 Series  
High-Accuracy Infrared Thermometers [Handheld type]



CEMS  
Continuous Emission Monitoring System



MEXA-ONE  
Motor Exhaust Gas Analyzer



FTX-ONE  
FTIR Exhaust Gas Analyzer



GIANT 8000 Series  
Brake Test Systems



MEXA-1170SX  
Motor Exhaust Gas Sulfur Analyzer



**DYNAS3**  
AC Dynamometer



**MEXA-1170HCLD**  
Heated Type NOx Analyzer



**MEXA-584L**  
Automotive Emission  
Analyzer/Exhaust Gas  
Analyzer



**STARS Engine**  
Test Automation System for Engine  
Testing



**SEMS**  
Smart Emissions  
Measurement System



**SPARC Brake**  
Digital Controller



**VULCAN**  
Chassis Dynamometer



**CS-131**  
High-speed response and  
compact chemical  
solution concentration  
monitor SC-1 Monitor

- **CS-100 Series** Stand-alone Type Chemical Concentration Monitor
- **CS-137** BHF Concentration Monitor
- **CS-139E** High-speed response and compact chemical solution concentration monitor TMAH/H2O2 Monitor
  - **CS-150** SPM Monitor
  - **CS-153** FPM Monitor
  - **CS-153N** HF/HNO3 Monitor



**HE-960CA**  
Citric Acid Monitor

- **HE-960H-KOH** KOH Monitor
- **HE-960H-TM** Wide range TMAH Concentration Monitor
- **HE-960H-TM-S** High Precision TMAH Concentration Monitor
- **HZ-960** Dissolved Ozone Monitor
- **HZ-960HPO-M** H2O2 Monitor





Accumax FAB Pipette



Accumax Electronic Pipette



Accumax Smart Pipette

Accumax Mechanical  
Pipette

Accumax Mechanical  
Pipette



Accumax VA-FA



Accumax Jr. Pipette



Accumax Pasteur Pipette



Accumax Bottle Top  
Dispenser



Accumax Pipette Controller



Accumax Serological  
Pipette



Accumax Tube  
Centrifuge Tube



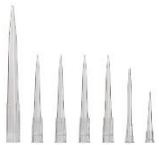
Deepwell Plate



Accumax Reservoirs



Accumax Loops & Needles



Accumax Tips













Accumax Rack Pack

















Reloading Stack



|  |   |   |   |  |  |
|--|---|---|---|--|--|
|  <p><i>i Fuge M08</i><br/>Smart Personal Micro<br/>Centrifuge</p>   |  <p><i>i Fuge BL08VT</i><br/>Smart Personal Micro<br/>Centrifuge</p> |  <p><i>i Fuge M15k</i><br/>Smart Personal Micro<br/>Centrifuge</p> |  <p><i>i Fuge M12</i><br/>High Speed Micro<br/>Centrifuge</p>      |  <p><i>i Fuge D12</i><br/>High Speed Micro<br/>Centrifuge</p> |  <p><i>i Fuge M18</i><br/>High Speed Micro<br/>Centrifuge</p> |
|  <p><i>i Fuge M24PR</i><br/>Smart Personal Micro<br/>Centrifuge</p> |  <p><i>i Fuge C4000</i><br/>Clinical Centrifuge</p>                  |  <p><i>i Fuge D06</i><br/>Doctor Centrifuge</p>                    |  <p><i>i Fuge UC01</i><br/>Smart Personal Micro<br/>Centrifuge</p> |  <p><i>i Shak BL Uno VT</i><br/>Single Plate Shaker</p>       |  |












|   |  |   |  |   |   |   |
|---|--|---|--|---|---|---|
|  <p>H_125SM<br/>(HF/HA/HE/HM)<br/>0.01mg ▪ 125g ▪<br/>Semi-Micro</p> |  <p>H_225SM-DR<br/>(HF/HA/HE/HM)<br/>0.01mg / 0.1mg ▪</p> |  <p>H_120A<br/>(HF/HA/HE/HM)</p> |  <p>0.1mg ▪ 120g ▪</p> |  <p>1mg ▪ 160g ▪</p> |  <p>1mg ▪ 320g ▪<br/>Precision Balance</p> |  <p>0.1g ▪ 12100g ▪<br/>Industrial Scale</p> |
|---|--|---|--|---|---|---|

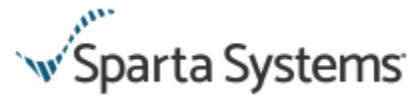
| Balance   | 102g / 225g ▪ Semi-Micro Balance  | 0.1mg ▪ 120g ▪ Analytical Balance  | Analytical Balance  | Precision Balance  |  |  |
|---|---|--|---|--|--|--|
|  <p>0.1g / 1g ▪ 12100g - 34100g* ▪ Industrial Scale</p> |  <p>1mg / 0.01% ▪ 124g ▪ Moisture Analyzer</p> |  <p>1mg / 0.01% ▪ 52g ▪ Moisture Analyzer</p> |  <p>0.1mg ▪ 29 Samples ▪ Ash Analyzer (Macro-TGA)</p> |  <p>Series 321 LS Carat Gold and Carat Balances</p> |  <p>Calibration Weights</p> |  <p>Stat Fan DC Ionizer</p> |



For the development of scientific technologies  
**Yamato Scientific Co.,Ltd.**

|   |  |   |  |  |  |   |
|---|--|---|--|--|--|---|
|  <p>Constant Temperature &amp; Drying Oven</p> |  <p>High Temperature Furnace</p>    |  <p>Industrial Equipment</p> |  <p>Plasma Equipment</p> |  <p>Incubator</p>           |  <p>Freeze Dryer &amp; Cooling Trap</p> |  <p>Sterilizer</p> |
|  <p>Water Purifier</p>                       |  <p>Constant Temperature Bath</p> |  <p>Water Circulator</p>   |  <p>Heater</p>         |  <p>Rotary Evaporator</p> |  <p>Vaccum Presurize Pump</p>         |  <p>Washer</p>   |















TrackWise QMS Software









The Most Trusted Enterprise Quality Management Software System

# himac

| Ultracentrifuges   |  |  | Refrigerated Centrifuges  |  |  |  |
|--|--|--|---|--|--|--|
|  |  |  |  |  |  |  |
| CPNX-Series  | CSFNX-Series   | CS150NX  | CR30NX  | CR22N  | CR7N   |  |
| General Purpose Centrifuge   |  | Larg Scale Flow Ultracentrifuge  | Blood Cell Washing Centrifuge   |  |  |  |

|   |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
|  |  |  | <br>MC450 |  |  |  |
| CT15E/CT15RE  | CF16RN/CF15RN  | CC40NX series  |  |  |  |  |
|   |  |  |  |  |  |  |




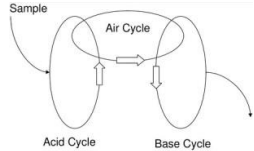
# CARBOLITE® IGERO 30-3000°C

|   |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
| <br>OVENS - 700°C                   | <ul style="list-style-type: none"> <li>• Laboratory Ovens.</li> <li>• Industrial Ovens.</li> <li>• Clean Room Ovens.</li> <li>• Atmosphere Controlled Ovens.</li> </ul> | <br>CHAMBER FURNACES - 1800°C | <ul style="list-style-type: none"> <li>• Laboratory Furnaces</li> <li>• Industrial Furnaces</li> <li>• Ashing Furnaces</li> <li>• Annealing Furnaces</li> </ul> | <br>TUBE FURNACES UP TO 2600°C | <br>CHAMBER FURNACE, GRAPHITE INSULATION - HTK GR | <br>Crystal Growth Furnaces |
| <br>SPECIAL ATMOSPHERE & GLOVE BOX | <br>LARGE INDUSTRIAL   | <br>SAMPLE                   |   |  |   |   |






|                   |  |                  |          |  |  |  |
|-------------------|--|------------------|----------|--|--|--|
| ULTRA HIGH VACUUM |  | OVENS / FURNACES | WEIGHING |  |  |  |
|-------------------|--|------------------|----------|--|--|--|








Online-Analyser for Iron  
 SEIBOLD COMPOSER Joseph von Eybler  
 Measurement range 0.05-2.00 mg/L Fe

|   |   |  |  |  |   |  |
|---|---|--|--|--|---|--|
|  <p>SEIBOLD COMPOSER for heavy metals in water.</p> |  <p>Intelligent Photometer for multiple wavelengths.</p> |  <p>SEIBOLD COMPOSER based on Ion Selective Electrodes.</p> |  <p>(Cyanide measurement principle)<br/>       SEIBOLD COMPOSER for Cyanide.</p> | <p>Online analyser for Iron at drinking water facilities<br/>       SEIBOLD COMPOSER Joseph von Eybler<br/>       0.05 – 2.00 mg/L</p> | <p>Online analyser for Arsenic<br/>       SEIBOLD COMPOSER Wilhelm Kienzl<br/>       1 – 50 ppb</p> |  |
|---|---|--|--|--|---|--|

 **Gelman Laminar Air Flow Systems**  
 Premier Provider in Laminar Airflow Technology

|   |   |   |   |  |
|---|---|---|---|--|
|  <p>Absolute Air Horizontal/Vertical</p> |  <p>Class I Series</p> |  <ul style="list-style-type: none"> <li>• BioEssential Class II Type A2</li> <li>• Bioguard Class II Type A2</li> <li>• BioClassic Class II Type A2</li> <li>• Bioguard-Plus Class II Type A2 With Primary Containment HEPA Filtration System</li> </ul> |  <p>Gelman Class</p> |  <p>Cytoguard CDC</p> |
|---|---|---|---|--|

|  |  |   |  |   |   |
|--|--|---|--|---|---|
| <p>Laminar Flow Workstations</p>   | <p>Micro Essential Horizontal Laminar Flow Workstations</p>  | <p>Cabinets</p>   | <ul style="list-style-type: none"> <li>• Dual-Access Class II Type A2</li> </ul>   | <p>III Series Laminar Flow Biological Safety Cabinets</p>   | <p>Series Cytotoxic Drug Safety (Total Exhaust) Cabinets with Primary Containment HEPA Filtration System</p>                          |
|  <p>Isoguard ISO Series Type 2 Negative Pressure Recirculating Pharmaceutical Isolators With Primary Containment HEPA Filtration System</p> |  <p>Toxiguard TXG Series HMZD Carbon Filtered Fume Enclosures</p> |  <p>Synerflow General Purpose Fume Hoods</p> | <ul style="list-style-type: none"> <li>• Synerflow Perchloric Acid Fume Hoods</li> <li>• Synerflow Radioisotope Fume Hoods</li> </ul> <p>Tissue Culture Ventilated &amp; Non-Ventilated Cabinets</p> |  <p>Polymerase Chain Reaction Enclosures</p> |  <p>LabGuard Controlled Atmosphere Glove Boxes</p> |