

# PRODUCT PORTFOLIO

## GBC's Product lines

AAS



HPLC



ICP-OES



UV-Vis



ICP-oTOFMS



Rheometry



XRD



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## XplorAA

- Wavelength range of 175 – 900 nm
- Continuously adjustable slit width from 0.1 to 2.0 nm for both normal and reduced height
- Extended D<sub>2</sub> working range of 175 – 425 nm
- Asymmetric modulation – 40% noise reduction
- HYPER-PULSE background correction for accurate correction of transient background signals to 2.5 Abs
- Choice of Single beam or Double beam optics
- Choice of manual 2 lamp or motorised 6 lamp turret
- Choice of Manual, Automatic or Programmable Gasbox
- Optional Super Lamp power supply for improved sensitivity, detection limits and calibration linearity
- Optional Air Purge Kit which allows clean air from air cylinder or an air compressor to prevent acidic fumes entering the instrument



## SavantAA Z

- World's best performing AAS
- Wavelength range of 175 – 900 nm
- Continuously adjustable slit width from 0.1 to 2.0 nm for both normal and reduced height
- Extended D<sub>2</sub> working range of 175 – 425 nm
- Asymmetric modulation – 40% noise reduction
- HYPER-PULSE background correction for accurate correction of transient background signals to 2.5 Abs
- Automatic Burner Rotation for measurement of over range samples without the need for dilution
- Automatic Work Head Adjustment in vertical and horizontal direction for optimum sensitivity for all elements in a multi-element analysis
- Super Lamp power supply for improved sensitivity, detection limits and calibration linearity
- Electronic Sample Viewing (ESV) – enables view of furnace injection, sample drying and ashing from computer monitor to facilitate method development
- Coded hollow cathode lamp recognition



## SavantAA Z enduro

- Wavelength range of 175 – 900 nm
- Continuously adjustable slit width from 0.1 to 2.0 nm for both normal and reduced height
- Variable Magnetic Field Strength from 0.6 to 1.1 Tesla in 0.1 Tesla increments
- 1 ms delay between pulses and measurements ensures best accuracy
- Electronic Sample Viewing (ESV) – enables view of furnace injection, sample drying and ashing from computer monitor to facilitate method development
- Coded hollow cathode lamp recognition



## Cintra UV-Vis

- World's best specifications
- Wavelength range of 190 – 1,200 nm
- Choice of fixed or variable slit width
- Complete range of accessories
- 7 x 7 carousel allows 7 samples and 7 reference samples  
OR can be programmed for 12 samples and 2 reference samples for increased batch size sample analysis



## OptiMass 9600 TOF ICP-MS

- World's only SIMULTANEOUS Time of Flight ICP-MS
- Mass range 1 to 260 amu
- Very low ppt detection limits
- Over 7 times faster sample throughput compared to Quadrupole ICP-MS
- Fast sample screening for all masses
- Isotope ratio precision comparable with TIMS
- Patented Smartgate for removal of interfering masses
- Octopole Collision Cell with mass independence for interference management during sample analysis



## Emma X-ray Diffractometer

- The enhanced Multi-materials Analyzer
- 3 kW high power X-ray Generator
- Optional High speed multi-strip Solid State Detector (SSD)
- SSD Scan speed of 120 deg/min
- Theta/2Theta and Theta/Theta configuration
- High temperature and environmental stages
- Large and bulky sample stages
- Unique harmonic gearbox with zero backlash

## Quantima ICP-OES

- 160 – 180 nm wavelength range
- 1800 / 2400 l/mm holographic grating
- Inbuilt water cooling
- 40 MHz free running RF generator allows fastest response to plasma changes
- Direct aspiration of organic and oil samples without any need for oxygen accessories
- Plasma Camera for sample viewing
- Patented PIP – significantly lowers occurrence of torch meltdowns
- Fully thermostatted optics enables excellent long term stability



ISO 9001  
Quality Accreditation

## GBC Scientific Equipment

Manufacturer of world class  
scientific equipment and accessories;  
AAS, HPLC, ICP-OES, ICP-oTOFMS,  
Rheometry, UV-Vis and XRD -  
since 1978.

## Visionary Technology

GBC Scientific Equipment will advance people's  
knowledge and their capacity to enhance the  
quality of life for all humankind.

