

## Shimadzu Nexera UHPLC

**Ultimate Speed, Versatility,  
Ruggedness and Reproducibility**

Shimadzu's new Nexera, the world's only no-compromise UHPLC, now includes multi-solvent blending (up to 4 solvents) at pressures up to 19,000psi and at flow rates up to 3ml/min. Nexera still provides the world's fastest injection (10 second cycle time), near-zero carryover (0.0015% without rinsing) due to revolutionary needle design and the use of the Flow-through-needle.



## Shimadzu LCMS-2020

**High Speed • High Sensitivity  
High Resolution • High Performance**

- World's most sensitive, fastest scanning and fastest polarity-switching quadrupole mass spectrometer available
- When connected to the Nexera UHPLC, you will have the ultimate UHPLC-MS system available
- Achieves a mass spectrum measurement speed of 15,000u/sec, without sacrificing sensitivity or resolution



## Shimadzu GC-2014

**High Performance, Reliable GC for Capillary  
and Packed Column Applications**

- Advanced Flow Control resulting in unsurpassed retention time reproducibility
- Digital control standard for both capillary and packed columns



## Shimadzu GCMS-QP2010 SE

**Economical GC-MS System**

- Combines the benefits of economy, simple operation and enhanced performance
- Enhanced maximum column flow up to 4mL/min enables a variety of columns to be selected
- Productivity and sample throughput can be dramatically increased
- Ecology mode saves power and carrier gas consumption allowing for a lower cost of ownership and less environmental stress



## Gilson 274 ASPEC™

**Automated SPE System**

- Accommodates 1, 3 and 6mL SPE cartridges
- Four probe Z-arm increases throughput and efficiency
- Positive pressure elution ensures better reproducibility and higher precision
- Pressure-sensing module provides continuous monitoring of system performance



## Gilson PLC 2020

**Personal Benchtop Purification System**



- Manual injection purification from 2-100mL/min with pressures up to 4,060psi
- Dual-wavelength UV/VIS detection, fraction collection & touchscreen controller allow system to be completely self-contained.
- Designed for all levels of purification, from high pressure reverse phase chromatography to FLASH
- Small, compact footprint



**Please contact Mandel at 1-888-883-3636 or email [quotes@mandel.ca](mailto:quotes@mandel.ca) for pricing or a quote**

## MANTECH QC-Titrate™

### Titration and Ion Analysis System



**Ideal for:**

- Food/Beverage/Wine
- Pharmaceutical laboratories

**Analyze:**

- pH
- total acidity
- chloride
- fluoride
- and more

- Rugged, durable, reliable and proven to operate for years, with little maintenance
- Completely controlled by MANTech software. Click start... and walk away
- Built-in buret drive with 48,000 step/stroke resolution
- Flexibility allows for easy sample preparation, liquid handling, heating/cooling, covering/uncovering, analysis, etc.

## MANTECH PeCOD™

### Laboratory L100 COD Analyzer



~~Dichromate~~

~~Digestion~~

~~H<sub>2</sub>SO<sub>4</sub>~~

~~Hg~~

- Simple reagent handling – avoids use of toxic/hazardous reagents
- Low cost per sample
- Complete oxidation of organic species ensures high accuracy and reproducibility
- Fast analysis (approx. 6 minutes) increases sample throughput
- Excellent chloride tolerance; even seawater samples can be analyzed

## Shimadzu TOC Analyzers

### New TOC-L Series

- Extremely wide measurement range: from 4µg/L to 30,000mg/L applicable to everything from ultrapure to highly-contaminated water
- Reliable sample injection system



**Special offer: Trade in any brand of TOC Analyzer and trade up to a new TOC-L!**  
Contact [quotes@mandel.ca](mailto:quotes@mandel.ca) for more details!

## Shimadzu AA-7000

### Atomic Absorption Spectrophotometer for enhanced flame and furnace analysis

- Double-beam optics and stable hardware achieve superior stability
- Unprecedented sensitivity and world-class lower limits of detection
- Advanced safety technology, including gas leak detectors and vibration sensor to shut off the flame during an earthquake



## Mitsubishi NSX-2100V

### Trace Elemental Analyzer System for Sulfur, Nitrogen, Halogens

- Excellent performance for Sulfur and Nitrogen (down to 5ppb S)
- Modular configuration for N/S/X analysis
- Open/close furnace for fast, easy daily check
- Fully automated software for system shut-down
- Low running costs (electricity, gas)



## Unity SmartChem™ 200 Discrete Analyzer

**“Your Personal Chemist” for water, wastewater, seawater, plant and soil testing**

**Ideal for:**

- ammonia
- nitrate
- nitrite
- etc.



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