

# Questron's Quest

INNOVATIVE SOLUTIONS FOR ANALYTICAL LABORATORIES

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## Questron introduces Sub-boiling Dual Quartz Reagent Distiller Using high-purity reagents no more a costly affair

Questron Technologies Corp., Canada

With today's increasing demands for onward march to lower detections, reagent contaminations are very critical to the absolute best results. The contribution of contamination by the reagent is a function of the amount used. For example, 50ml of a reagent that contains 50ppb of contaminants will contribute 2.5µg of that contaminant in sample being analyzed. As a result, laboratories end up purchasing expensive, high-purity reagents for trace elemental analysis.

Sub-boiling distillation is recognized as the best method to obtain high-purity reagents and lowest blank values for ultra-trace analysis. Our **Sub-boiling Dual Quartz Reagent Distiller** can produce high-purity reagents from their low-purity counterparts on demand at a much lower cost. This distillation unit is made from high-purity quartz and it allows the laboratories to re-purify acids that have become contaminated or to further purify lower-purity reagents.



Please join us in welcoming the newest member of Questron's team, **Drew Giberson**.

Drew joined Questron Technologies as Technologist a few months ago. He completed his graduation in Electrical Engineering Technician Program from Algonquin College in Ottawa, Ontario. His expertise in AutoCAD and other design applications has made him a valuable addition to our design and production teams. He brings with him a wealth of experience of working in the manufacturing industry.

His interests include reading, music, baseball and spending time with friends and family.

We all wish Drew a long and exciting career with Questron.

## QUESTRON'S SUB-BOILING DUAL QUARTZ REAGENT DISTILLER

### SOME ADVANTAGES

- Saves up to 90% of the cost of ultrapure acids by purifying low-cost reagent grade acids
- Works with HNO<sub>3</sub>, HCl, H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>O – also suitable for purification of some organic solvents
- Distills up to 4.5 liters of ultrapure acid in just 6 hours
- Re-purifies reagents that have become contaminated

### ABOUT QUESTRON

Questron Technologies Corp. is a Canadian manufacturer of sample preparation equipment for analytical laboratories

Our product line includes:

#### Microwave Digestion Systems

- > QLAB 8000  
*Computer controlled*
- > QWAVE 4000  
*Temperature and pressure control*
- > QWAVE 1000  
*Power-based sample digestion*

#### Microwave Ashing System

- > QAsh 1800  
*Computer controlled*

#### Hot Block Digestion

- > QBlock Digestion System  
*with QBlock Commander Quad-Channel Heating Controller*

#### Automated Hot Block Digestion

- > Vulcan 84  
*Automated Digestion and Work-up Station  
Computer controlled*
- > Vulcan 42  
*Automated Digestion Station  
Computer controlled*

### CALENDAR OF EVENTS

On-going demonstrations, workshops and training sessions at Questron Technologies Corp.

Please call to book an appointment. We will be glad to demonstrate our complete range of products for you.

Sample Preparation, Treatment and Automation

### Questron's recent participation in tradeshow

Questron has always made its presence felt in the scientific community by showcasing our products at several tradeshow, both locally and internationally. This year so far, we have participated in 4 such tradeshow.

**Pittcon 2011**, the world's premier conference and exposition for laboratory science, took place in March 2011 and as always, Questron was there. We exhibited our flagship product, Vulcan 84 along with several other sample preparation products and accessories. In April, we displayed our QLAB 8000 Microwave Digestion System and QBlock Digestion System at **Analytica Vietnam 2011**. In May, we were present at **Halifax Laboratory Exposition**, organized by Canadian Laboratory Suppliers Association. This was a highly focused show, dedicated to the growing needs of the local laboratories. Also in May, we showcased our products at **The Florida Society of Environmental Analysts' 2011 Spring Meeting and Technical Session**, a specialized show catering to Florida's environmental laboratories. Visitors from leading public and private labs and regulatory agencies made this show a great success.



The expression of interest by the visitors to our booths at these shows resulted in new contacts and several important leads. Questron views these tradeshow as global venues to network with colleagues, distributors and customers and exchange views and opinions with them.

## Questron Technologies Corp.

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