



ULTRA-TRACE™

I N T E R N A T I O N A L

April 2001

Renewed Focus for CETAC

As many of you are aware, CETAC Technologies has experienced some major changes over the last year. In May 2000, SD Acquisition, Inc. completed its purchase of the CETAC division from Transgenomic, Inc., a biotechnology company focused on DNA/RNA analysis. The purchase has allowed us to reemphasize our core business of analytical chemistry. Although we are pleased with our new situation, it has necessitated a number of changes, especially in our international operation.

For our European customers, the most dramatic change is that the office in the United Kingdom is now a wholly owned Transgenomic facility, which no longer sells or supports CETAC products. In response to this issue and others, we have made major changes in the way we operate in both the European and Pacific Rim arenas. The sales functions that were performed by the UK office will now be handled through our headquarters in the United States, while local technical and service support personnel have been put in place to provide customer support.

Expanding our international business and satisfying our customer base are of the highest priority, and we take the challenge seriously. We are pleased with the success of our new organizational structure, and we are confident that these changes will result in a positive, focused direction for CETAC Technologies into the future. ❖

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New Product Briefs



The *SDS-550 Sample Dilution System* was introduced at Pittcon 2001 as a dedicated and automated system for the off-line dilution of large numbers of samples. Developed around the CETAC ASX-510 Auto Sampler, the SDS-550 uses

custom software to perform accurate and precise dilutions varying from ratios of 1:1 to 1:50. Up to four sample racks of varying capacities can be used for dilution sequences. Diluted samples can be transferred in their racks directly to any ASX-510 Auto Sampler. This is particularly useful in mining and environmental testing labs.

The *CEI-100 Capillary Electrophoresis Interface* provides a simple and efficient interface for elemental analysis by ICP- MS.

This specialized interface maintains the high resolving power of CE while utilizing the high sensitivity and multi element capability of ICP- MS. Through the calculation of optimal fluid mechanical flow properties, the CEI-100 preserves high resolution electrophoretic separations, eliminates detrimental secondary laminar flows within the CE capillary, and offers minimal dilution and extremely low sample consumption. The CEI-100 can be used with any commercially available CE and ICP- MS instrument.



For information on these or other products, contact your local distributor or the CETAC office. Additional information can also be found on our web site at www.cetac.com. ❖

New International Organization Announced

CETAC Technologies has established a new organization for technical and service support throughout Europe and the Pacific Rim. These changes are directed at providing you with a broader support base, and a more directed participation in CETAC Technologies.

◆ Mary A. Hoppe was appointed *International Sales Manager* in September 2000. With more than ten years experience at CETAC, Ms. Hoppe is quite familiar with the CETAC product line, as well as international administration and logistics, international dealers and worldwide ICP and ICP-MS manufacturers.

◆ Drs. Joachim Nölte and Sabine Mann of AnalytikSupport have been contracted to provide *European technical support* from their offices in Germany. In addition, Mr. Konradin Stenner, with over 20 years experience with ICP and ICP-MS, will provide service support from the *European Service Center* outside of Dusseldorf, Germany.

◆ Mr. Andrew Young, of Andrew Young & Co., has been named the *Technical Support Advisor* for the Pacific Rim. Andrew continues his dealership for Australia, New Zealand and New Guinea.

◆ Mr. Tan Choon Chye of Flexisolve Technologies has been appointed a *new dealership* for sales and service in Singapore, Malaysia, Thailand and Indonesia.

Please feel free to contact these people directly if the need arises for local support. You may also contact our headquarters in the USA for prompt assistance. ❖

Laser Ablation Update

New *applications notes* are now available for the LSX-200 Plus and SOLIS-500 systems. Contact CETAC for a printed copy, or visit our web site to download them in PDF format.

- ◆ Depth Profiling of Materials and Coatings by Laser Ablation ICP-MS
- ◆ Performance Evaluation of the LSX-200 Plus Laser Ablation System for ICP Spectrometry
- ◆ Elemental Analysis of Low Alloy Steels: SOLIS-500 and ICP-OES

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Laser Ablation Update

Have you seen the new *Spectroscopy article*? The February 2001 Edition of Spectroscopy published the article "A Solid Sampling Tool Finally Reaches Maturity". The article answers the question: "What Drove the Development of Laser Ablation Sample Introduction for Atomic Spectroscopy?" Contact CETAC for a reprint.

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CETAC still has a few **LSX-100 Laser Ablation Systems** in stock at large discounts. The predecessor to the LSX-200, this 266 nm UV laser system is excellent for bulk analysis, micro feature analysis, surface mapping and depth profiling. The LSX-100 uses an improved ultraviolet laser and can provide a signal stability comparable to normal solution nebulization. For more information, contact Mary Hoppe at mhoppe@cetac.com. ❖

On the Move!

CETAC will be moving to **new facilities** during the summer of this year. Those of you who have visited us are aware that we occupy a number of buildings across a business park. The new facility in west Omaha will allow us to group our operations together in one building, with room for future expansion.

We are increasing our production to avoid delays in instrument or parts shipments, and are planning for a seamless move with uninterrupted service to our customers.

Our new address will be:

CETAC Technologies
14306 Industrial Road
Omaha, NE 68144 USA

Telephone, fax numbers and e-mail addresses will all remain unchanged.

Notification will be sent to all our customers and OEM partners when a more definite schedule is determined. ❖

M-4000 Mercury Analyzer available through Varian

CETAC Technologies has reached an agreement with Varian Instruments to distribute and support the M-4000 Mercury Analyzer System. Varian will continue to supply the M-6000A Mercury Analyzer System, as will all CETAC dealers.

"We have partnered with Varian because of their excellent sales and customer service teams. They will ensure a continued high level of support for the CETAC Mercury Analyzers and customers" said Jerry Shkolnik, Vice President of Marketing, Sales and Customer Support for CETAC.

The M-4000 Mercury Analyzer is a manual system using cold vapor AA methodology for stable, sensitive, low cost measurement of mercury in aqueous samples. Key technology, such as the patented non-foaming gas-liquid separator, has been included from the M-6000A. The M-4000 analyzer is supplied with a pump/gas control module, allowing convenient bench-top control of liquid and gas flow. The M-4000 provides detection limits under 5 ppt. Contact your local Varian office or CETAC dealer for product details. ❖



Calendar of Events

CETAC is pleased to be involved in recent and upcoming seminars with these ICP manufacturers:

Varian Instruments, United Kingdom

Agilent Technologies, Singapore

Agilent Technologies, Australia

Look for CETAC posters and exhibits at the following conferences and tradeshow:

Semicon Europa, April 24-26 (Munich, Germany)

ICP-MS Conference Series, Sept. 10-12 (Vienna, Austria)

Thank you to everyone who attended the CETAC user meeting at the *European Winter Plasma Conference* in Lillehammer, Norway. A special thank you to Arne Bengtson of the Swedish Institute for Metals Research for leading us in traditional song!

CETAC is interested in participating in your seminar, short courses and events. Please contact Mary Hoppe with any upcoming opportunities. ❖

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