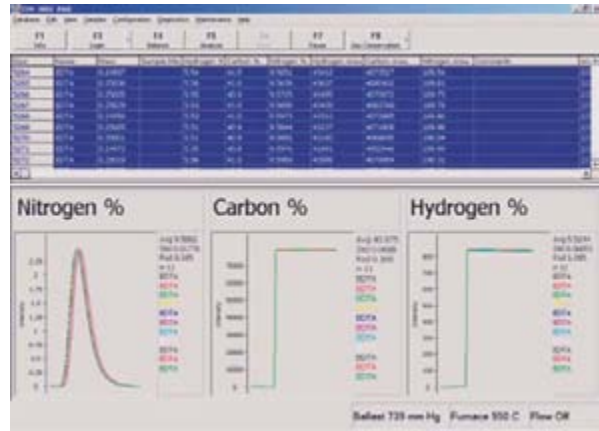
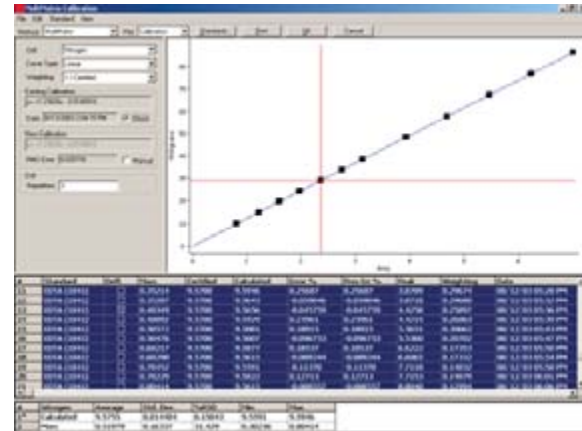


**Easy-To-Use Windows®-Based Operating Software**

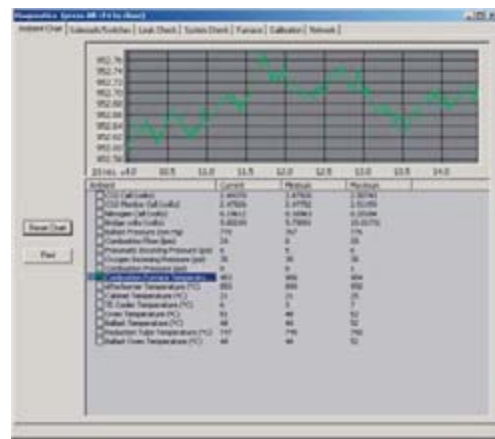
With unlimited storage space and compatibility with various Laboratory Information Management Systems (LIMS), this software is designed for seamless interaction with any operator or customer environment. A convenient on-board help manual allows you to quickly access information without leaving your instrument.



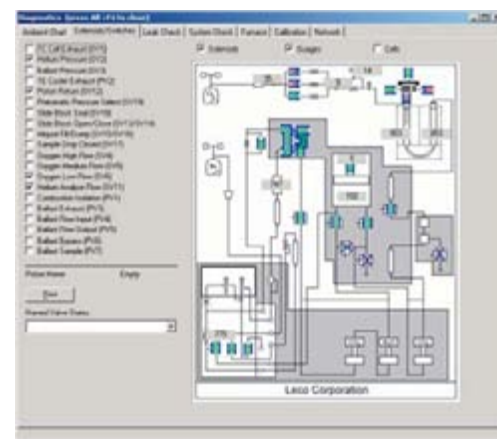
Manage data and graphs seamlessly.



Perform simple calibrations and drift corrections.



Monitor internal components during analysis.



Expanded interactive service diagnostic screens help troubleshoot problems faster and easier.

TruSpec software supports compliance to strict FDA regulations (21 CFR Part 11) for a closed analytical system.

**LECO—Your source for total analytical solutions**



**TGA701 Thermogravimetric Analyzer**



**AC600 Semi-Automatic Calorimeter**



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**LECO®**  
**TruSpec® Series Elemental Determinators**

# TruSpec<sup>®</sup> Elemental Determinator

## Designed to meet your true specifications for optimal performance.

Built on a collaboration of customer input and sound engineering, the TruSpec<sup>®</sup> Series is available in N (Protein), CN, CHN, N/S, CN/S, CHN/S, CHN/O, and CHN/S/O elemental configurations.

Incorporating newly developed hardware/software technology, and focusing on improving instrument performance and efficiency, the TruSpec Series is designed to provide you with accurate elemental determination in various organic matrices such as *foods, meats, feeds, oilseeds, plants, petfoods, milling products, soils, and fertilizers.*

### TruSpec Advantages

#### Fastest Analysis Times/Highest Sample Throughput

- Perform analyses on multiple elements in less than four minutes using independent detectors and LECO's patented ballast/aliquot system
- Free up operator time with increased autoloader capacity

#### Lowest Cost-Per-Analysis

- TruSpec's unique patented collection/detection technique minimizes overall consumable and gas usage
- No chromatographic separations or whole gas analyses required, saving you time and money
- For more information request specification sheet 209-150-002

#### User-Friendly Windows<sup>®</sup>-Based Software

- Simplified data handling with convenient storage and customizable reporting and data exporting capabilities
- Expanded real-time service diagnostics
  - Ambient charts of instrument temperatures, pressures, and detector signal
  - Manual control of solenoids and switches
  - Automated leak and systems checks
  - Network and communications diagnostics
- Compatible to **SmartLine<sup>®</sup>** Remote Diagnostics application
- Supports compliance to FDA regulations (21 CFR Part 11) for a closed analytical system

#### Aliquot Dosing System

Removes a representative sample from ballast for subsequent determination, decreasing cost-per-analysis and total analysis time.

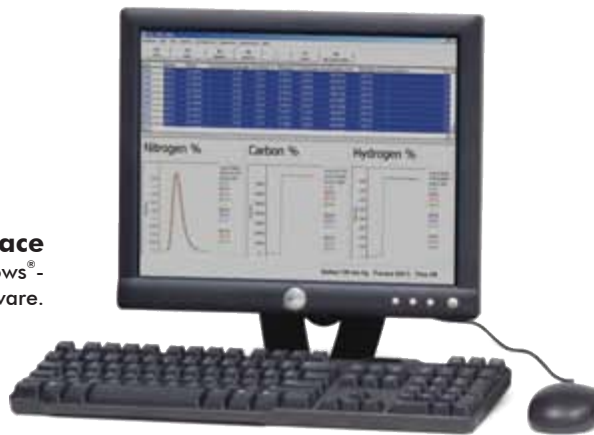


#### Stainless Steel Pre-Chiller Block and Thermoelectric Cooler

Maximizes the removal of moisture, while minimizing the use of costly moisture-removal reagents.

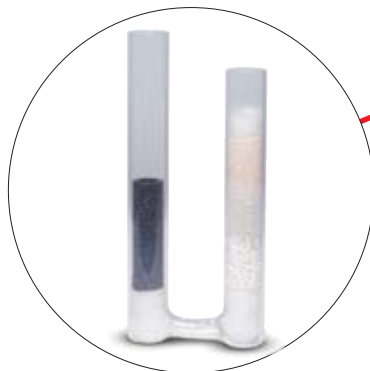
#### User Interface

Easy-to-use Windows<sup>®</sup>-based operating software.



#### U-Shaped Combustion Tube

Durable quartz composition withstands temperatures up to 1050°C. Sample oxidation/ash collection takes place in the primary side of the tube, and an independent secondary (supercharged afterburner) side ensures complete sample oxidation. Porous crucibles collect large amounts of ash for long, unattended analysis.



#### GENESIS Elemental Detectors

Optimized for each element, these detectors enhance dynamic range and facilitate method development with combustion monitoring.



#### Collection System

Patented ballast collects all evolved gases, ensuring complete homogenization prior to determination.



#### Maintenance-Free Autoloader

Gravity-fed stackable carousel eliminates maintenance issues associated with mechanically operated autoloaders.



#### Loading Head

Pneumatics and electronics are integrated into one convenient, removable unit for greater reliability, faster removal, and efficient atmospheric purge.

#### Optional Liquid Autosampler

Provides seamless operation for the analysis of up to 1 ml of sample from 10 ml-sized vials of liquid organic samples.

For more information request specification sheet 209-150-004.



#### Optional TruSpec Micro Oxygen Add-On Module

Provides independent oxygen determination capabilities with two minute analysis time using a high temperature (1300°C) pyrolysis furnace.

For more information request specification sheet 209-150-007.

#### Optional Sulfur Add-On Module

(Requires a TruSpec system to operate.) Provides independent sulfur capabilities in less than two minutes. An optional autoloader is available.

For more information request specification sheet 209-150-003.