

# LECO APPLICATION MARKETS

- Environmental
- Food & Food Safety
- Metabolomics
- Agriculture
- Energy & Fuels
- Life Science
- Mined Materials
- Metals
- Chemical & Petrochemical
- Sensory
- Forensics & Toxicology

## LECO EVENTS

At the EATC – the European Application and Technology Center in Berlin, we offer various user training courses and workshops throughout the year. We are looking forward to welcome you at the EATC in Berlin!

For detailed information and specific dates for workshops or user trainings please visit our website:

### User Trainings



[eu.leco.com/events/user-trainings](http://eu.leco.com/events/user-trainings)

### Workshops



[eu.leco.com/events/workshops](http://eu.leco.com/events/workshops)

More information about all events and updates can be found on our website: [EU.LECO.COM](http://EU.LECO.COM)

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**LECO Corporation**  
3000 Lakeview Avenue | St. Joseph, MI 49085  
Phone: 269-985-5496  
[info@leco.com](mailto:info@leco.com) | [www.leco.com](http://www.leco.com)

**LECO EATC**  
Biotechpark, Building B 5.2  
Max-Dohrn-Str. 8–10 | 10589 Berlin  
Phone: +49 (0)30 863 295 200  
[admin\\_berlin\\_lab@leco.com](mailto:admin_berlin_lab@leco.com) | [eu.leco.com](http://eu.leco.com)

# EATC Berlin

## European Application and Technology Center



# WELCOME

## TO OUR EUROPEAN APPLICATION AND TECHNOLOGY CENTER

Since 1936 LECO has continued in the development and improvement of technologies and instrument features. Beside this we train our specialists and our customers to get the best results and analytical solutions for research and routine analysis.

The European Application and Technology Centre operates as the central hub for European subsidiaries, enabling LECO to bring the newest, cutting-edge technologies and support to customers all around Europe, Middle East and North Africa.

**700**  
*square meters*

### Facilities

700 m<sup>2</sup> facility in Berlin has all infrastructures with lecture room, offices and laboratories for instrument demonstrations, application work, technical workshops, trainings, and user group seminars.

### Activities

New European Application and Technology Center is a knowledge hub supporting our customers in West Europe, East Europe, Middle East and North Africa assisting LECO subsidiaries and distributors.

*State-of-the-art facility fully dedicated to Customer Support*

### Trainings

Regular and on-demand training courses cover maintenance, instrument operation and software. Led by our product, application and service specialists, these training programs help you get the best value from LECO technology.



### Seminars

Our Workshops and seminars provide ideal opportunities for networking between specialists in their specific areas of interest. Join our seminars to learn more from industry experts and share the experience with colleagues working in similar application areas.



### Applications

Submit your samples and our laboratory scientist will perform an analysis using the instruments and conditions you request. You'll know exactly how our instruments respond to your samples. Our application specialists will assist you to find the optimum analytical solution for your specific application.



### Workshops

Interacting with other LECO users give you full confidence and enrich your expertise.

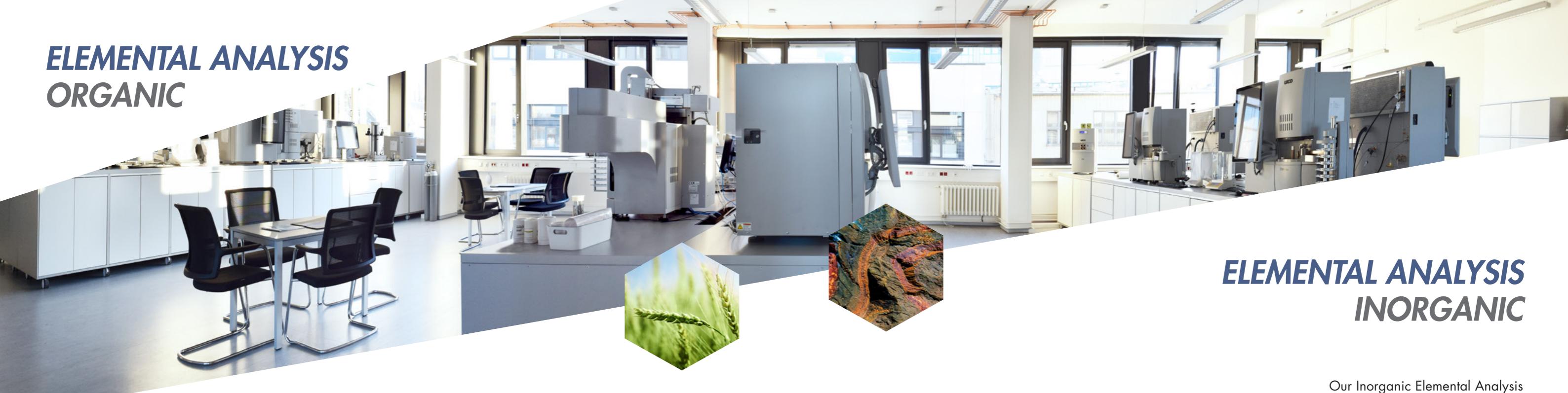


### Demos

Equipped with all latest LECO technology, European Application and Technology Center is a dedicated area for instrument demonstrations. See our instruments in action, process your samples, get full confidence to make your purchasing decisions.



# ELEMENTAL ANALYSIS ORGANIC



# ELEMENTAL ANALYSIS INORGANIC

Our Organic Elemental Analysis Laboratory is dedicated to applications in the fields of Environment & Agriculture, Food & Beverage, and Energy & Fuels.

## Typical Organic Application Examples

- Nitrogen/Total Protein in Foodstuffs
- Trace of Mercury in Soils, Sediments and Biological Tissues
- Gross Calorific Value in Metallurgical Coke
- Sulfur in Petroleum Products
- Total Protein content in Cereals, Grains, Flours
- Moisture/Ash in Cereals, Grains, Flours
- Nitrogen Content and TOC in Municipal Waste
- Sulfur and Nitrogen in Lubricant Additives
- Moisture/Ash/Volatile Content in Coal/Coke
- Heating Value of Biomass and Alternative Fuels
- Sulfur and Carbon in Coal, Coke, and Graphite
- Rapid Analysis for Protein in Milk and Dairy Products
- Total Carbon, Nitrogen, and Sulfur in Arable Soils
- C H N O S in Hydrocarbons

and much more...



*Versatile LECO technologies  
for organic samples analysis*

## Typical Inorganic Application Examples

- Simultaneously ONH in Titanium, Nickel-Base, Cobalt-Base Super Alloys
- Carbon & Sulfur in Iron, Steel, and Ferrous Alloys
- Concentration of Sulfur in Copper or Copper Alloy
- Trace of Hydrogen in Aluminum, Copper and Non-ferrous Alloys
- Oxygen Content in Copper
- Accurate Carbon Content in Tungsten Carbide
- Trace Sulfur in Titanium, Refractory Metals
- C H N O S in Metallic Powders
- Determination of SiC content in Ceramics
- Sulfur and Carbon Determination in Cement, Clay, Fly Ash, Limestone, Soil
- Sulfur and Carbon in Ore Concentrate, Cement, Clinker, Minerals
- Trace Carbon in Refractory and Reactive Metals
- Carbon phases TOC / TIC / EC in rocks
- Surface Carbon on Metal Sheets

and much more...



*Fast elemental analysis of metals  
and other inorganic materials*

Our Inorganic Elemental Analysis Laboratory is dedicated to applications in the field of metals, ceramics, semiconductors and other inorganic materials.

Send us your samples or visit our demo lab. We would be happy to introduce you to our product portfolio and answer your questions in order to find the instrument that suits your applications best.

# METALLOGRAPHY



## Metallographic Analysers

### Metallographic Samples Preparation

LECO provides you with a solid line of metallographic sample preparation equipment for more effective materials testing and microstructural examination.

Application specialists of our center may help you in finding the optimum analytical solution for your specific application.

- Micro/Macro Hardness Testers
- Automatic Hardness Testing System
- Brinell Hardness Testers
- Rockwell-Type Hardness Testers
- Macro-Vickers Hardness Testers
- Microindentation Hardness Testers
- Automatic Micro/Macro Hardness Testing Systems
- Image Analysis and Management System
- + Metallographic consumables



*LECO's metallographic sample preparation equipment paves the way for proficient materials testing*

## Selected Applications

- Flavour and Fragrance
- Complex Matrix Data Mining
- Food Safety and Quality Control
- Allergens in Cosmetic
- Tobacco Analytic
- Water Quality Monitoring
- Ambient Air / Aerosols Analytic
- Biomarker Analysis
- Consumer Products Screening
- Red and Green Metabolomics
- Comprehensive Crude Oil Characterisation
- Environmental Forensics
- Fuels and Biofuels Composition Profiling
- Target and Non-Target Screening
- Crime Scene Investigations
- Sport Antidoping Screening
- Drugs of Abuse
- FoodOmics

*Join LECO's Mass Spectrometry revolution: high resolution, accurate mass and analytical power*

# SEPARATION SCIENCE MASS SPECTROMETRY

### Separation Science

The Separation Science Laboratory presents and demonstrates our latest developments. Our specialists will gladly explain everything to you and help you with your applications.

Submit your samples and our application team will demonstrate the performance and technology of our SepSci product portfolio.

