



**AMECARE**  
PERFORMANCE SERVICES

# TRAINING 2012

## General Information

- Contact:** Tel.: +49.2821.892.3106  
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Email: [spectro.training@ametec.com](mailto:spectro.training@ametec.com)
- Registration:** Please register yourself in written form (e-mail or via internet at [www.spectro.com/training](http://www.spectro.com/training)). Registration deadline is two weeks before the course starts.
- Location:** SPECTRO Analytical Instruments GmbH, Boschstr. 10, 47533 Kleve, Germany
- Time:** The courses start at 9.00 a.m. and end at 5:00 p.m.

**Number of Participants:**

Min. 4, depending on the training room max. 8 or 10

**Training Material:** Made available for you at the beginning of the course.

**Training Fee/Hotel:** The prices mentioned are to be understood per person. Lunch, coffee and softdrinks during the day as well as hotel accommodation (three-star hotel, upgrade to a four-star hotel is possible for an additional fee of 31 € per night - subject to availability) are included in the training fee. Please find the max. number of nights in the single training course description. Travel expenses are not included in the training fee.

**Discount:** If you register two or more participants from one company, the second, and each additional participant will receive a 15 % discount on the training fee.

**Cancellation:** Cancellations up to two weeks before training will be charged 20 % of the training fee. Cancellations received less than 14 days prior to course start, will be charged 75 % of the course fee. Participant substitution is allowed.

**Certificate:** Each participant receives a certificate at the end of the training.

**Multimedia:** The operator courses take place at our facilities in Kleve, Germany. The training rooms are equipped with networked PC stations for a maximum of 8 or 10 participants. Our multimedia concept allows the training content to be displayed on all of the computer work stations. Participants are coached individually.

**Language:** All courses are held in English.

### AMECARE

PERFORMANCE SERVICES

Ensuring peak performance and maximum return on investment over the life of your equipment. We will deliver this by:

- Proactively maintaining your equipment to maximize availability
- Optimizing solutions to meet your unique applications
- Enhancing user skills by providing access to product and application experts



# Mobile/Portable Metal Analyzer

## SPECTRO xSORT

XRF Analyzer

### Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation: Analysis and Grade I.D.
  - Data storage and retrieval; Radiation Safety
  - Maintenance

## SPECTRO iSORT

Spark Analyzer CE

### Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation
  - Maintenance
  - ICAL
  - Fingerprint
  - Data storage and retrieval

## SPECTROTEST

Spark Analyzer ME

### Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation: ICAL/APF, sorting, analysis mode, Grade ID
  - Creation of sorting programs, creation and change of alloy specification grade library
  - Maintenance
  - Data storage and retrieval

**Date:**

26. - 27. June 2012

**Training Fee:**

1,180 Euro  
incl. max. 3 nights  
hotel accommodation



**Date:**

23. February 2012

**Training Fee:**

590.- Euro  
incl. max. 2 nights  
hotel accommodation



**Date:**

02. - 03. May 2012

**Training Fee:**

1,180 Euro  
incl. max. 3 nights  
hotel accommodation



# Stationary Metal Analyzer

**Date:**

24. - 26. April 2012

**Training Fee:**

1,780 Euro

incl. max. 4 nights  
hotel accommodation

**Date:**

27. April 2012

**Training Fee:**

570 Euro

incl. max. 2 nights  
hotel accommodation

**SPECTROMAXx LMX05**

Spark Analyzer Vision MX Software

Target Group:

Beginners as well as users with basic knowledge who want to learn the routine operation systematically. The daily routine work is taught theoretically and practically during the training.

Content:

- Routine operation
- Routine functions of the software
- Maintenance
- ICAL
- Regression program
- Extension of calibration ranges
- Exchange of the ICAL Sample
- Application questions

**DIA 2000 SE/Result Manager**Target Group:

Users who want to learn how to store and manage their data in the existing archive systems.

Content:

Presentation of the features. Explanation of the setting parameters.



# Stationary Metal Analyzer

## **SPECTROLAB M10/M11**

Spark Analyzer Vision Software

### Target Group:

Beginners as well as users with basic knowledge who want to learn the routine operation systematically. The daily routine work is taught theoretically and practically during the training.

### Content:

- Routine operation
- Routine functions of the software
- Maintenance
- Regression program
- Extension of calibration ranges
- Exchange of standardization samples
- Application questions

### **Dates:**

17. - 19. April 2012

06. - 08. November 2012

### **Training Fee:**

1,780 Euro

incl. max. 4 nights

hotel accommodation



## **DIA 2000 SE/Result Manager**

### Target Group:

Users who want to learn how to store and manage their data in the existing archive system.

### Content:

Presentation of the features. Explanation of the setting parameters.

### **Dates:**

20. April 2012

09. November 2012

### **Training Fee:**

570 Euro

incl. max. 2 nights

hotel accommodation

## ICP-OES Spectrometer

### Dates:

26. - 29. June 2012

20. - 23. November 2012

### Training Fee:

2,370 Euro

incl. max. 5 nights

hotel accommodation



### SPECTRO ARCOS, GENESIS, SPECTROBLUE

Smart Analyzer Vision Software

#### Target Group:

This training is for users who already have experience with the instrument and the software and would like to deepen their knowledge.

#### Content:

- Basics
- Method development
- Calibration and Analysis
- Special functions and features of the software
- Use of accessories
- Special applications
- Maintenance
- Trouble-shooting

## ICP-MS Spectrometer

### Dates:

13. - 17. February 2012

03. - 07. December 2012

### Training Fee:

2,690 Euro

incl. max. 6 nights

hotel accommodation



### SPECTRO MS

Mass Analyzer Vision Software

#### Target Group:

This training is for users who already have experience with the instrument and the software and would like to deepen their knowledge in order to carry out the method development more reliably and efficiently.

#### Content:

- Basics of ICP MS
- System optimization
- Spectra interpretation
- Method development with calibration strategies and utilization of internal standards
- Correction models for spectral interferences
- Automation of analysis with autosampler
- Introduction to isotope ratio and isotope dilution analysis



# XRF Spectrometer

## **SPECTRO xSORT**

XRF Analyzer

### Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation: Analysis and Grade I.D.
  - Data storage and retrieval; Radiation Safety
  - Maintenance

## **SPECTRO iQ II, XEPOS, XEPOS HE**

X-LAB Pro Software

### Target Group:

This course is for customers who are already familiar with the instrument and the software. Questions resulting from this experience will be discussed during the training.

- Content:
- Fundamental theories, Sample preparation
  - Generation of sample reports
  - Method development, Calibration
  - Maintenance

## **SPECTRO MIDEX LD/SD (MID03)**

X-LAB Pro Software

### Target Group:

This course is for customers who are already familiar with the instrument and the software. Questions resulting from this experience will be discussed during the training. The main focus of the training is the method development and calibration of the instrument.

- Content:
- Fundamental theories, Sample preparation
  - Generation of sample reports
  - Maintenance
  - Method development, Calibration
  - Line scans, Mappings

### **Date:**

26. - 27. June 2012

### **Training Fee:**

1,180 Euro  
incl. max. 3 nights  
hotel accommodation



### **Dates:**

02. - 04. May 2012  
27. - 29. November 2012

### **Training Fee:**

1,780 Euro  
incl. max. 4 nights  
hotel accommodation



### **Date:**

04. - 06. June 2012

### **Training Fee:**

1,780 Euro  
incl. max. 4 nights  
hotel accommodation



# Registration

Register online at [www.spectro.com/training](http://www.spectro.com/training)

## [www.spectro.com](http://www.spectro.com)



### GERMANY

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