

**TRAINING  
PROGRAM**

BY EXPERTS - FOR EXPERTS



## EXPERIENCE THE KNOWLEDGE

This is the motto under which we would like to introduce you to the exciting and diverse topics of non-destructive testing.

The world of non-destructive testing is exciting and challenging. It requires a profound understanding to be successful in this dynamic industry. Our training program is designed to not only provide you with theoretical knowledge, but to actively train you in the application areas of different testing methods. We focus on practical experience, interactive workshops and direct exchange with leading experts to provide you with the tools for your professional development.

In this current training program you will find our current training courses, which we have developed for you and which we carry out for you using the test equipment from our broad product portfolio.

We hope you enjoy browsing through our program and look forward to welcoming you to one of our training courses soon!

A handwritten signature in white ink, appearing to read 'T. Hahn', positioned above the name and title.

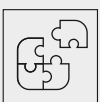
**Thomas Hahn**  
Head of Global Marketing, Sales & Services  
Member of the Board



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Training

**OPERATION**

Training

**CONFIGURATION**



## FOERSTERcademy. Experience the knowledge.

We want to help you increase your knowledge of non-destructive testing methods, so you can get the most out of your instruments. To this end we created the FOERSTERcademy, a space where we share our expertise with our customers. Challenging topics are explored in an appealing way.

Our experienced instructors illustrate theory with examples from real-life practice. This helps you learn how best to operate and adjust your testing and measuring equipment from FOERSTER for your daily work. Because as we all know: highly skilled personnel are the key to success.



We offer in-person training in small groups to convey the content in the best possible way.



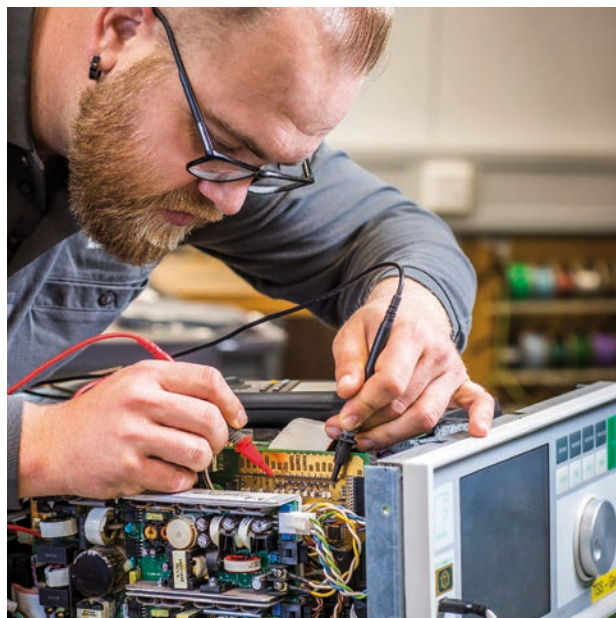


**Qualified, field-tested  
instructors.**

**In-person training  
with additional  
hands-on learning.**



**Comprehensive  
learning materials  
and training  
documentation.**



## Modularly structured and tailored precisely to your needs: individual seminars and in-house training courses from FOERSTER.

If you haven't found exactly the right training course listed in our program, don't hesitate to contact us. In addition to those presented here, we also offer customized seminars tailored to your specific requirements. These can take place either at our premises in Reutlingen or directly at your site on the respective instruments.

Of course, on request we can also offer our training courses in other languages. For example, to bring colleagues at other locations up to the same level of knowledge.

The contents, date and length of your individual training will be based on your requirements and defined in close collaboration with you. Talk to us! Together we can find the solution that suits you best!





**Flexible configuration  
of the training  
contents.**

High practical relevance through exercises and demonstrations directly on the instrument. Take advantage of in-house training courses to train your employees directly on your test line.



**Your choice: taking  
place at FOERSTER  
or in-house at your  
location.**



**Training in a variety of  
languages is possible.**

Tailored to your requirements: you determine the group size, the date and the course contents. We look forward to your request!



## INDIVIDUAL TRAINING – Operation & Configuration

We also offer you an individual training course, which can be tailored exactly to your specific requirements. The content, date, location and length of your individual seminar will be based on your wishes.



### OPERATION



### CONFIGURATION

### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable test setting.

### TARGET GROUP

The training is individually tailored to your participants.

### CONTENTS

- Individual

### PREREQUISITES

No previous experience is required for the training.

#### DATE

on request

#### TRAINING DURATION

1 day or more

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request





We get you ready to inspect semi-finished products – whether they be wires, tubes, bars or sheet metal.





# DEFECTOMAT CI/DI CIRCGRAPH CI/DI – Operation & Configuration

This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



## CONFIGURATION



## OPERATION

### DATE

on request

### TRAINING DURATION

2 days

### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

### FEE

on request

### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable test setting.

### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly carry out specific applications.

### CONTENTS

- Overview of technologies
- Operation of eddy current testing
- System overview
- Technical parameters
- Types of defects detectible with the instrument
- Sensors
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Overview and operation of the electronics
- Special adjustments
- Automation

### PREREQUISITES

No previous experience is required for the training.



# DEFECTOMAT DA CIRCOGRAPH DA – Operation & Configuration

This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



## CONFIGURATION



## OPERATION

### DATE

on request

### TRAINING DURATION

2 days

### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

### FEE

on request

### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable test setting.

### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly carry out specific applications.

### CONTENTS

- Overview of technologies
- Operation of eddy current testing
- System overview
- Technical parameters
- Types of defects detectible with the instrument
- Sensors
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Overview and operation of the electronics
- Special adjustments
- Automation

### PREREQUISITES

No previous experience is required for the training.



## DEFECTOMAT DS CIRCOGRAPH DS – Operation & Configuration

This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



### CONFIGURATION



### OPERATION

#### DATE

on request

#### TRAINING DURATION

2 days

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable test setting.

#### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly carry out specific applications.

#### CONTENTS

- Overview of technologies
- Operation of eddy current testing
- System overview
- Technical parameters
- Types of defects detectable with the instrument
- Sensors
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Overview and operation of the electronics
- Special adjustments
- Automation

#### PREREQUISITES

No previous experience is required for the training.



## DEFECTOVISION IR – Operation & Configuration

This training course teaches you to operate the test instrument and manage test jobs and settings yourself. You will: find out about the correlations between important parameters; learn a variety of test applications; gain comprehensive skills for safe handling of your equipment; practice setting up the instrument and optimizing the application.



### CONFIGURATION



### OPERATION

#### DATE

on request

#### TRAINING DURATION

2 days

#### TRAINING LOCATION

at your premises

#### FEE

on request

#### TRAINING GOALS

After the training you will know how to operate the test instrument DEFECTOVISION IR and its peripherals. You will be confident in its safe handling and know the correct procedures for creating a suitable test setting. You will be able to adapt it to new diameters and optimize applications independently.

#### TARGET GROUP

Persons with basic experience in the field of automated non-destructive testing.

#### CONTENTS

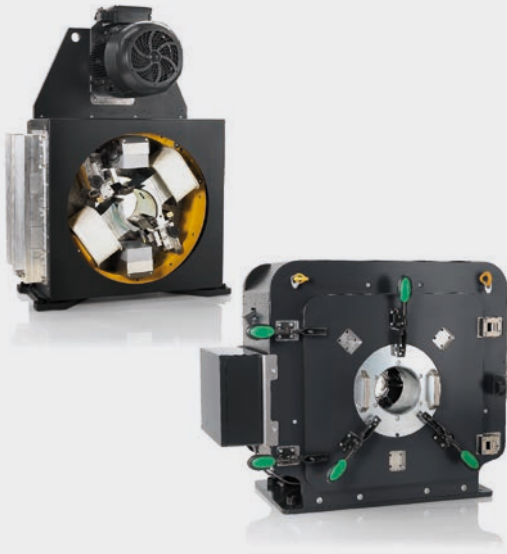
- Presentation of the instrument
- Application
- Areas of application
- Active testing
- Technology
- Technical parameters
- Types of defects detectable with the instrument
- Cameras
- Software
- Dimension change
- Periphery

#### PREREQUISITES

Basic experience in the field of automated non-destructive testing.







## ROTOMAT DA TRANSOMAT DA –

### Operation & Configuration

This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



#### CONFIGURATION



#### OPERATION

#### DATE

on request

#### TRAINING DURATION

2 days

#### TRAINING LOCATION

at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to operate the test systems and their periphery. After the training course, you will be confident in using the instrument and know the correct procedure for creating a suitable test setting. You will be able to change the dimensions to new diameters and operate the power cabinet correctly.

#### TARGET GROUP

Level 1 MT qualified operating personnel and persons with basic experience in the field of MFL.

#### CONTENTS

- Presentation of the instrument
- Application
- Areas of application
- Active testing
- Technology
- Technical parameters
- Types of defects detectable with the instrument
- Probes
- Software
- Interface
- Dimension change
- Overview and operation of the electronics
- Maintenance
- Overview of the electronics

#### PREREQUISITES

No previous experience is required for the training.



## CIRCOFLUX DS – Operation & Configuration

This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



### CONFIGURATION



### OPERATION

### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable test setting.

### TARGET GROUP

Level 1 MT qualified operating personnel and persons with basic experience in the field of MFL.

### CONTENTS

- Overview of technologies
- Operation of magnetic flux leakage testing
- System overview
- Technical parameters
- Types of defects detectible with the instrument
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Overview and operation of the electronics
- Special adjustments
- Automation

### PREREQUISITES

No previous experience is required for the training.

### DATE

on request

### TRAINING DURATION

2 days

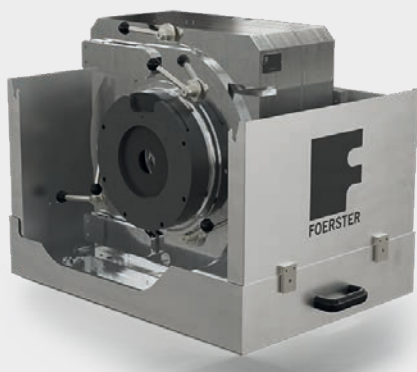
### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

### FEE

on request

## BARPROOF 140 – Operation & Configuration



This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



### CONFIGURATION



### OPERATION

#### DATE

on request

#### TRAINING DURATION

2 days

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable test setting.

#### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly carry out specific applications.

#### CONTENTS

- Overview of technologies
- Operation of ultrasonic testing
- System overview
- Technical parameters
- Types of defects detectable with the instrument
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Overview and operation of the electronics
- Special adjustments
- Automation

#### PREREQUISITES

No previous experience is required for the training.





## PLATEPROOF – Operation & Configuration

This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test jobs and settings yourself. We explain the correlations between important parameters and teach you a variety of test applications.



### CONFIGURATION



### OPERATION

#### DATE

on request

#### TRAINING DURATION

2 days

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to operate the test instrument and the safe handling during use.

#### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly carry out specific applications.

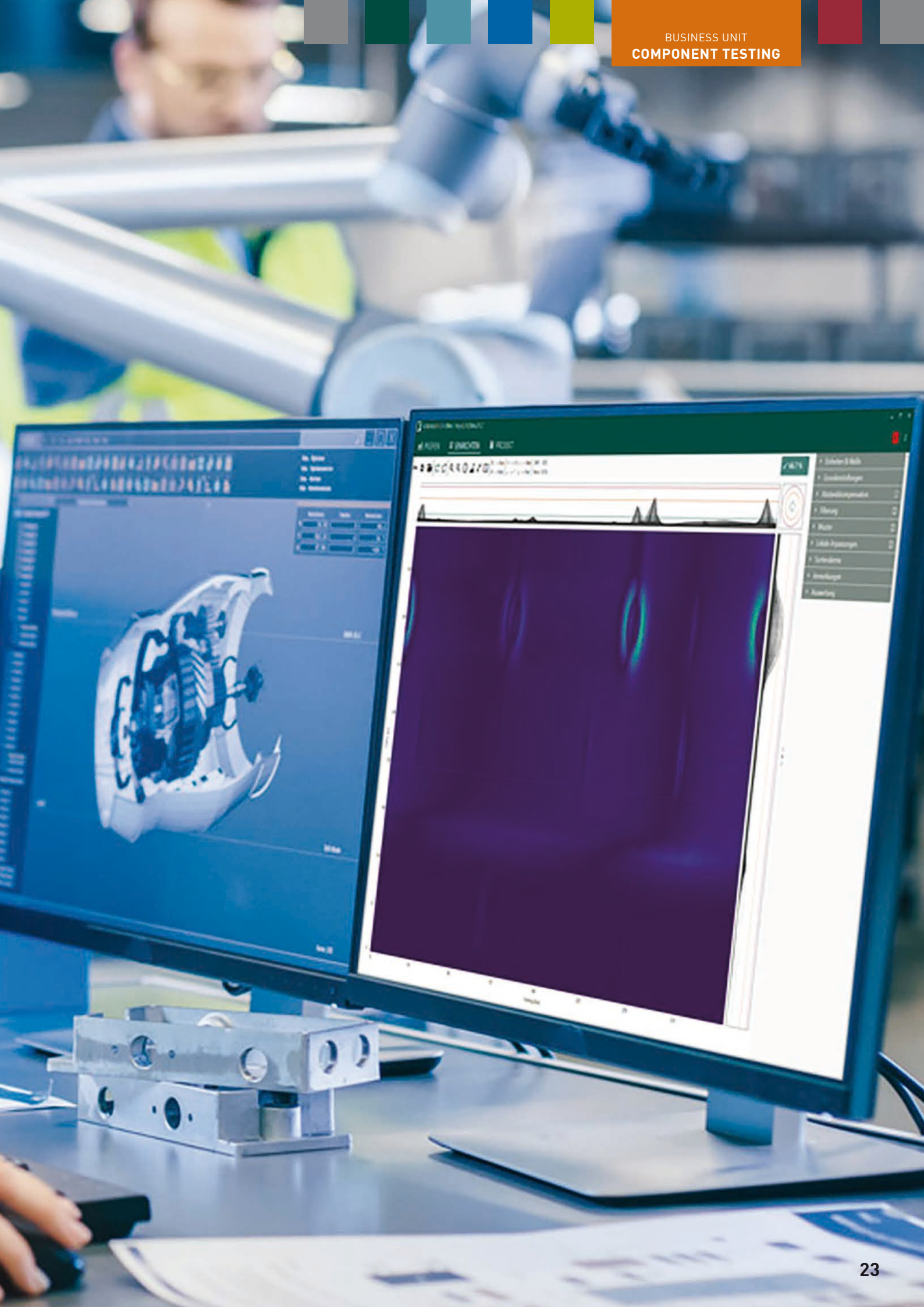
#### CONTENTS

- Overview of technologies
- Operation of ultrasonic testing
- System overview
- Technical parameters
- Types of defects detectible with the instrument
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Overview and operation of the electronics
- Special adjustments
- Automation

#### PREREQUISITES

No previous experience is required for the training.

Precisely tested  
components - we give  
you the finishing touch.



## KOERZIMAT – Operation



This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to execute measurements yourself. We explain the correlations between important parameters and show you a variety of typical applications.



### OPERATION

**DATE**

on request

**TRAINING DURATION**

1 day

**TRAINING LOCATION**

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

**FEE**

on request

**TRAINING GOALS**

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating suitable setting for the measurements.

**TARGET GROUP**

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly execute specific measurements.

**CONTENTS**

- Overview of technologies
- Theory about hysteresis curve, coercivity and saturation
- System overview
- Technical parameters
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Special adjustments

**PREREQUISITES**

No previous experience is required for the training.



# MAGNATEST – Operation



This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test definitions and parameter settings yourself. We explain the correlations between important parameters and show you a variety of typical applications with corresponding settings.



## OPERATION

### DATE

on request

### TRAINING DURATION

1 day

### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

### FEE

on request

### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable parameter setting.

### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly execute specific tests.

### CONTENTS

- Overview of technologies
- Operation of magnetic induction testing
- System overview
- Technical parameters
- Types of defects detectible with the instrument
- Sensors
- Testing software
- Instrument operation
- Important parameters
- Data backup
- Special adjustments

### PREREQUISITES

No previous experience is required for the training.

## STATOGRAPH – Operation



This training course will equip you with the knowledge and skills you need to operate the test instrument safely, as well as to manage test definitions and parameter settings yourself. We explain the correlations between important parameters and show you a variety of typical applications with corresponding settings.



### OPERATION

#### DATE

on request

#### TRAINING DURATION

1 day

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to operate the test equipment: safe practices for handling and use of the instrument and correct procedures for creating a suitable parameter setting.

#### TARGET GROUP

This training is intended for anyone who needs to operate the test instrument safely and learn how to correctly execute specific tests.

#### CONTENTS

- Overview of technologies
- Operation of eddy current testing
- System overview
- Technical parameters
- Types of defects detectible with the instrument
- Sensors
- Testing software
- Instrument operation
- Important parameters
- requirements on the testing mechanics
- Data backup
- Special adjustments

#### PREREQUISITES

No previous experience is required for the training.





Safe and fast on the run with our training courses for mobile test equipment.



## SIGMATEST 2.070 – Mobile conductivity measurement

In this compact course, you get to know the conductivity measurement device SIGMATEST from the user's point of view: find out about its applications, the technological fundamentals of its measurement method, how to operate it properly, how to select the right probe for the job, and how to calibrate the instrument.



### OPERATION

#### DATE

on request

#### TRAINING DURATION

½ day

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn about the basic application of the new SIGMATEST 2.070: how to increase your added value through targeted mobile conductivity measurement.

#### TARGET GROUP

Persons who need access to fast, reliable mobile conductivity measurement.

#### CONTENTS

- Practical application examples of conductivity measurement, e.g. from the aerospace and automotive sectors
- Fundamentals of conductivity measurement
- Basic operation of the instrument
- How to select the right probe
- Calibration requirements

#### PREREQUISITES

No previous experience is required for the training.



## SONODUR 3 – Mobile hardness measurement using the UCI method

In this compact course you get to know the hardness measurement device SONODUR 3 from the user's point of view: find out about its user-friendly operation and extensive application areas, the technological strengths of the ultrasonic compact impedance (UCI) test method, FOERSTER's wide selection of purpose-built probes, and how to calibrate the instrument.



### OPERATION

#### DATE

on request

#### TRAINING DURATION

½ day

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70, 72766 Reutlingen, Germany or at your premises

#### FEE

on request

### TRAINING GOALS

Learn about the use and basic applications of the SONODUR 3: how to increase your added value through targeted mobile hardness measurement based on the UCI method.

### TARGET GROUP

Persons who need access to fast, reliable, mobile hardness measurement.

### CONTENTS

- The wide variety of mobile hardness measurement applications, based on practical use cases
- Fundamentals of Vickers-based UCI hardness measurement
- Basic operation of the instrument
- How to select the right probe
- Calibration requirements

### PREREQUISITES

No previous experience is required for the training.



## DEFECTOMETER M 1.837 – Mobile crack testing and material sorting

Learn how to setup and apply the DEFECTOMETER M for crack testing and material sorting. Get additional information about the eddy current technology behind the instrument. Apply the solution directly to your test case.



### OPERATION

#### DATE

on request

#### TRAINING DURATION

½ day

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to use a simple eddy current testing solution for solving your application.

#### TARGET GROUP

Interested parties and users of eddy current testing.

#### CONTENTS

- Working principle eddy current testing
- What does the DEFECTOMETER do in the background
- How to use DEFECTOMETER M for crack testing
- How to use DEFECTOMETER M for material sorting / hardness testing
- Practical application examples
- How to find the best suitable probe for your application

#### PREREQUISITES

No previous experience is required for the training.





## MAGNETOSCOP 1.070 – Precise measurement of magnetic fields and materials permeability

Learn about the technology our MAGNETOSCOP uses to measure magnetic fields or the magnetic properties of your material.



### OPERATION

#### DATE

on request

#### TRAINING DURATION

½ day

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to use the MAGNETOSCOP to solve your application in field or permeability measurement.

#### TARGET GROUP

Interested parties and users of magnetic field measurement or permeability measurement.

#### CONTENTS

- Working principle magnetic field measurement
- How to measure magnetic fields with MAGNETOSCOP shown in real applications
- Working principle permeability measurement
- How to measure the permeability shown in real applications
- Practical application examples
- How to find the most suitable probe for your application

#### PREREQUISITES

No previous experience is required for the training.



Make the hidden visible.  
We show you how.



## FEREX 4.034 – Operator training

In our training course, we provide you with the necessary knowledge to operate and use the FEREX 4.034 safely and independently on the basis of our operating instructions. This includes not only the operation of the FEREX 4.034, but also an explanation of the underlying technology and how to analyse the collected data. The training course provides you with comprehensive specialist knowledge to enable you to use the device optimally and efficiently.



### OPERATION

**DATE**

on request

**TRAINING DURATION**

2 days

**TRAINING LOCATION**

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

**FEE**

on request

**TRAINING GOALS**

Learn how to operate the FEREX 4.034, safe use and correct procedure for setting up and handling the device in both direct display and data recording mode.

**TARGET GROUP**

The training is intended for anyone who wants to operate the FEREX 4.034 safely and learn how to use it correctly. The FEREX is a fluxgate magnetometer and is suitable for detecting ferromagnetic metals such as iron, steel or nickel, which are found in deeper layers of the earth.

**CONTENTS**

- Basics of magnetics
- Theoretical application
- Product presentation
- Basics of GPS and GPS-supported search
- Maintenance and cleaning on operator level
- Data evaluation with the Data2Line software
- Practical application

**PREREQUISITES**

No previous experience is required for the training.



HOERSTER



## FEREX 4.035 – Operator training

In our training course, we provide you with the knowledge you need to operate and use the FEREX 4.035 safely and independently on the basis of our operating instructions. This includes not only the operation of the FEREX 4.035, but also an explanation of the underlying technology. The training course will provide you with comprehensive specialist knowledge to enable you to use the device optimally and efficiently.



### OPERATION

**DATE**

on request

**TRAINING DURATION**

1 day

**TRAINING LOCATION**

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

**FEE**

on request

**TRAINING GOALS**

Learn how to operate the FEREX 4.035, safe use and correct procedure for setting up and handling the device.

**TARGET GROUP**

The training is intended for anyone who wants to operate the FEREX 4.035 safely and learn how to use it correctly. The FEREX is a fluxgate magnetometer and is suitable for detecting ferromagnetic metals such as iron, steel or nickel, which are found in deeper layers of the earth.

**CONTENTS**

- Basics of magnetics
- Theoretical application
- Product presentation
- Maintenance and cleaning on operator level
- Practical application

**PREREQUISITES**

No previous experience is required for the training.



## MINEX 4.610 – Operator training

This training course will equip you with the knowledge and skills you need to operate the Minex 4.610 safely based on the operator instructions. This not only includes the operation of the Minex 4.610, but also explains how the technology works. You will gain comprehensive knowledge to ensure optimum and efficient utilisation of the device with the Minex 4.610.



### OPERATION

#### DATE

on request

#### TRAINING DURATION

1 day

#### TRAINING LOCATION

Institut Dr. Foerster GmbH & Co. KG, In Laisen 70,  
72766 Reutlingen, Germany or at your premises

#### FEE

on request

#### TRAINING GOALS

Learn how to operate the MINEX 4.610, safe use and correct procedure for setting up and handling the device.

#### TARGET GROUP

The training is intended for anyone who wants to operate the MINEX 4.610 safely and learn how to use it correctly to find small metallic, near-surface objects, mainly so-called minimum metal or „plastic“ mines.

#### CONTENTS

- Basics of magnetics
- Theoretical application
- Product presentation
- Maintenance and cleaning on operator level
- Practical application

#### PREREQUISITES

No previous experience is required for the training.



Institut Dr. Foerster GmbH & Co. KG  
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