

TRAINING PROGRAM 2023



WINDMÖLLER & HÖLSCHER

ACADEMY

W&H ACADEMY CUSTOMER TRAINING



Our training offer for you

The right training for your employees is an important factor for the performance of your production and quality of your products. With the W&H Academy, we offer you a competence center for training with a unique range of services specifically for the flexible packaging market. In addition to our training programs, we offer individual consultations and regular events on current industry and development topics.

Our trainers are familiar with the latest technology. As certified technical trainers, they have extensive know-how together with years of practical experience. State-of-the-art technology and the combination of theory and practice guarantee maximum learning success. Professional product and application knowledge go hand in hand in our trainings. Beyond that, we always adapt our services to current trends and market requirements.

Increase your expertise



Certified trainers

- Professional methods and didactics
- Many years of experience
- Trained in the latest technologies and tools



Know-how transfer

- Theoretical basics
- Hands-on directly at the machine
- Small learning groups for maximum learning success

Your advantages

- ✓ Improvement of employee qualification and motivation
- ✓ Safe and qualified machine operation
- ✓ Optimization of production processes
- ✓ Use of open machine potentials
- ✓ Increased productivity and quality
- ✓ Reduction of unplanned downtime

Offers of the W&H Academy

Trainings

In a W&H Training, you will receive practice-oriented training based on defined learning concepts and with clear learning objectives. You benefit from qualified trainers with many years of practical experience. We offer you professional product and application knowledge in our classroom and online training courses. We will be happy to advise you personally and work with you to develop a customized training concept for the flexible packaging market.

More information on page 36



Consultings

With a W&H Consulting, you will receive a practice-oriented on-site consulting related to your individual challenges. Besides comprehensive expert knowledge we provide professional methods for identifying potential and advise you on how to implement the improvements.

More information on page 35



Technology Events

At our technology events, W&H experts share information about the latest industry and development trends and present practical solutions in our modern Technology Center. We regularly cooperate with leading global partners in the flexible packaging industry. In this way, you benefit from both our comprehensive know-how and our large network.



RUBY TRAININGS



Why RUBY Trainings?

Learn how to manage your production data with our IoT system RUBY.

With RUBY, the IoT system for digitizing your value chain, all production and process data is monitored and evaluated. As a result, production can be made more effective, efficient and transparent.

In our online trainings on the RUBY Go platform and the extensions RUBY Gain (for improving film quality) and RUBY Check (for improving print quality), you will learn the basics and possible applications of the systems as well as the structure and functions in detail. Our trainers will guide you to independently view data and histories, identify alarms and problems, and create trends.

The experienced trainers of the W&H Academy give you a comprehensive insight into the system via video conference. With the help of a demonstration system, the application of the individual functions for monitoring and evaluating production and process data along the value chain is trained.

Training content

- ✓ Basics and possible applications of the IoT system RUBY
- ✓ Structure, functions and operation of the platform RUBY Go or the extensions RUBY Gain or RUBY Check
- ✓ View production and process data
- ✓ Create trends
- ✓ Detect alarms and problems

For further information or inquiries about our RUBY Trainings please contact:

@ training-center@wuh-group.com

Training offers 2023

Extrusion

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Printing

Description	Machine type	Date	Details
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Converting

Description	Machine type	Date	Details
Mechanical Maintenance Training	Paper sack line	04/17 - 04/21 09/18 - 09/22	Page 31

BASIC TRAINING BLOWN FILM EXTRUSION



Why a W&H Basic Training?

The training provides comprehensive knowledge of the process engineering basics of blown film extrusion. Participants are given an overview of the structure and technical features of a blown film extrusion line and learn about the functions and technical processes on the individual machine modules.

The operating system, the various automation systems and the function and arrangement of the safety devices are also taught during the training. In addition, participants receive an introduction to machine operation, including production startup and product optimization. To provide more in-depth knowledge of the theoretical seminar content, the training is supplemented by practical exercises directly on a W&H blown film extrusion line.

Training content

- ✓ Process engineering basics of blown film extrusion
- ✓ Structure and working principle of a blown film extrusion line and its individual modules
- ✓ PROCONTROL operating system and automation systems
- ✓ Introduction to machine operation
- ✓ Function and arrangement of the safety devices
- ✓ Tips for organizing the working environment



Learn more about **W&H On-site Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/

More details



Recommended for

The basic training is aimed in particular at newcomers and career changers such as:

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Language

English



Machine technology

Blown film extrusion lines: VAREX, OPTIMEX, AQUAREX



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

April 11 till 14, 2023

Duration

4 days

Price per participant

On request

Registration

Register for the Basic Training blown film extrusion using the following QR code.



OPERATOR TRAINING VAREX



Why a W&H Operator Training?

During our operator training your employees will be qualified by an experienced trainer for the safe and professional operation of your W&H extrusion line. They learn to utilize open machine potentials and to increase productivity and production quality in the long term.

In the training course, participants learn about the structure, equipment and safety devices of the extrusion line and understand the individual functions and technical processes. With the help of practical exercises directly on the machine, they learn how to successfully prepare and start production as well as how to professionally adjust and optimize the product.

In addition, participants will be able to recognize malfunctions and rectify them independently. Your employees will also be able to carry out day-to-day care and maintenance of the extrusion line independently afterwards.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Function and arrangement of the safety devices
- ✓ Operation of the machine incl. assistance systems
- ✓ Preparation and start of production
- ✓ Management of orders, production data and order changes
- ✓ Identification of troubles and troubleshooting (operator level)
- ✓ Routine care and maintenance of the machine (operator level)



Learn more about **W&H Operator Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/operator_training/

More details



Recommended for

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of extrusion technology, especially in the products and process engineering

Language

English



Machine technology

Blown film extrusion line: VAREX



Methods

- Transfer of theoretical knowledge in the training room
- Practical exercise directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

June 12 till 16, 2023

Price per participant

On request

Duration

5 days

Registration

Register for the Operator Training VAREX using the following QR code.



OPERATOR TRAINING OPTIMEX



Why a W&H Operator Training?

During operator training your employees will be qualified by an experienced trainer for the safe and professional operation of your W&H extrusion line. They learn to utilize open machine potentials and to increase productivity and production quality in the long term.

In the training course, participants learn about the structure, equipment and safety devices of the extrusion line and understand the individual functions and technical processes. With the help of practical exercises directly on the machine, they learn how to successfully prepare and start production as well as how to professionally adjust and optimize the product.

In addition, participants will be able to identify malfunctions and solve them independently. Your employees will also be able to carry out day-to-day care and maintenance of the extrusion line independently afterwards.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Function and arrangement of the safety devices
- ✓ Operation of the machine incl. assistance systems
- ✓ Preparation and start of production
- ✓ Management of orders, production data and order changes
- ✓ Identification of troubles and troubleshooting (operator level)
- ✓ Routine care and maintenance of the machine (operator level)



Learn more about **W&H Operator Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/operator_training/

More details



Recommended for

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of extrusion technology, especially in the products and process engineering

Language

English



Machine technology

Blown film extrusion line: OPTIMEX



Methods

- Transfer of theoretical knowledge in the training room
- Practical exercise directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

September 04 till 08, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Operator Training OPTIMEX using the following QR code.



OPERATOR TRAINING MDO



Why a W&H Operator Training?

During our operator training your employees will be qualified by an experienced trainer for the safe and professional operation of your W&H MDO. They learn to utilize open machine potentials and to increase productivity and production quality in the long term.

In the training course, participants learn about the structure, equipment and safety devices of the MDO and understand the individual functions and technical processes. With the help of practical exercises directly on the machine, they learn how to successfully prepare and start production as well as how to professionally adjust and optimize the product.

In addition, participants will be able to recognize malfunctions and rectify them independently. Your employees will also be able to carry out day-to-day care and maintenance of the MDO independently afterwards.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Function and arrangement of the safety devices
- ✓ Operation of the MDO incl. the processes at production start and job changeover
- ✓ Product optimization
- ✓ Identification of troubles and troubleshooting (operator level)
- ✓ Routine care and maintenance of the machine (operator level)



Learn more about **W&H Operator Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/operator_training/

More details



Recommended for

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of extrusion technology, especially in the products and process engineering

Language

English



Machine technology

Stretching unit: MDO (Machine Direction Orientation)



Methods

- Transfer of theoretical knowledge in the training room
- Practical exercise directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

April 24 till 28, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Operator Training MDO using the following QR code.



OPERATOR TRAINING FILMEX



Why a W&H Operator Training?

During operator training your employees will be qualified by an experienced trainer for the safe and professional operation of your W&H cast film line. They learn to utilize open machine potentials and to increase productivity and production quality in the long term.

In the training course, participants learn about the structure, equipment and safety devices of the extrusion line and understand the individual functions and technical processes. With the help of practical exercises directly on the machine, they learn how to successfully prepare and start production as well as how to professionally adjust and optimize the product.

In addition, participants will be able to identify malfunctions and solve them independently. Your employees will also be able to carry out day-to-day care and maintenance of the extrusion line independently afterwards.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Function and arrangement of the safety devices
- ✓ Operation of the machine incl. assistance systems
- ✓ Preparation and start of production
- ✓ Management of orders, production data and order changes
- ✓ Identification of troubles and troubleshooting (operator level)
- ✓ Routine care and maintenance of the machine (operator level)



Learn more about **W&H Operator Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/operator_training/

More details



Recommended for

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of extrusion technology, especially in the products and process engineering

Language

English



Machine technology

Cast film extrusion line: FILMEX



Methods

- Transfer of theoretical knowledge in the training room
- Practical exercise directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

- January 09 till 13, 2023
- August 21 till 25, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Operator Training FILMEX using the following QR code.



ELECTRICAL MAINTENANCE TRAINING VAREX



Why a W&H Maintenance Training?

Regular and professional maintenance is required to ensure the long-term and reliable operation of your high-quality W&H extrusion line. With our electrical maintenance training, your employees will be enabled by an experienced trainer to maintain and service your machine carefully and in a qualified manner.

During the training, participants get an overview of the structure and design of the machine. They learn about the hardware and diagnostic tools of the individual electrical components as well as how they are used and function on the machine.

The participants learn about the interaction of the individual modules and are enabled to use the available diagnostic options to systematically search for and correct faults.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Electrical components and their operation
- ✓ Function and arrangement of the safety devices
- ✓ Electrical documentation and circuit diagrams
- ✓ Diagnostic options for systematic troubleshooting
- ✓ Detect and correct errors
- ✓ Routine care and maintenance of the machine
- ✓ Identification and ordering of spare parts

More details



Recommended for

Maintenance employees

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of electrics

Language

English



Machine technology

Blown film extrusion line: VAREX



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

January 30 till February 03, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Electrical Maintenance Training VAREX using the following QR code.



ELECTRICAL MAINTENANCE TRAINING OPTIMEX



Why a W&H Maintenance Training?

Regular and professional maintenance is required to ensure the long-term and reliable operation of your high-quality W&H extrusion line. With our electrical maintenance training, your employees will be enabled by an experienced trainer to maintain and service your machine carefully and in a qualified manner.

During the training, participants get an overview of the structure and design of the machine. They learn about the hardware and diagnostic tools of the individual electrical components as well as how they are used and function on the machine.

The participants learn about the interaction of the individual modules and are enabled to use the available diagnostic options to systematically search for and correct faults.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Electrical components and their operation
- ✓ Function and arrangement of the safety devices
- ✓ Electrical documentation and circuit diagrams
- ✓ Diagnostic options for systematic troubleshooting
- ✓ Detect and correct errors
- ✓ Routine care and maintenance of the machine
- ✓ Identification and ordering of spare parts



Learn more about **W&H Electrical Maintenance Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/electrical_maintenance_training/

More details



Recommended for

Maintenance employees

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of electrical engineering

Language

English



Machine technology

Blown film extrusion line: OPTIMEX



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

October 23 till 27, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Electrical Maintenance Training OPTIMEX using the following QR code.



ELECTRICAL MAINTENANCE TRAINING FILMATIC N



Why a W&H Maintenance Training?

Regular and professional maintenance is required to ensure the long-term and reliable operation of your W&H FILMATIC N winder. With our electrical maintenance training, participants are enabled by an experienced trainer to perform the routine care and electrical maintenance of your winder in a careful and qualified manner.

During the training, participants get an overview of the structure and design of the machine. They learn about the hardware and diagnostic tools of the individual electrical components as well as how they are used and function on the machine. The participants learn about the interaction of the individual modules and are enabled to use the available diagnostic options for a systematic identification and troubleshooting of faults.

Training content

- ✓ Structure and operating principle of the winder and the individual modules
- ✓ Electrical components and their functions
- ✓ Function and arrangement of the safety devices
- ✓ Electrical documentation and circuit diagrams
- ✓ Diagnostic options for systematic troubleshooting
- ✓ Detect and correct errors
- ✓ Routine care and maintenance
- ✓ Identification and ordering of spare parts

More details



Recommended for
Maintenance employees

Group size
Max. 6 participants



Requirements
Knowledge of the participants in the field of electrics

Language
English



Machine technology
Winder: FILMATIC N



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location
W&H Academy in Lengerich, Germany



Date
November 06 till 10, 2023

Duration
5 days

Price per participant
On request

Registration

Register for the Electrical Maintenance Training FILMATIC N using the following QR code.



Learn more about **W&H Electrical Maintenance Training:**
https://www.wh.group/int/en/academy/customer_training/standard_trainings/electrical_maintenance_training/

OPERATOR TRAINING FLEXO PRINTING MACHINES



Why a W&H Operator Training?

During our operator training your employees will be qualified by an experienced trainer for the safe and professional operation of your W&H flexo printing machine. They learn to utilize open machine potentials and to increase productivity and production quality in the long term.

In the training course, participants learn about the structure, equipment and safety devices of the press and understand the individual functions and technical processes. With the help of practical exercises directly on the machine, they learn how to successfully prepare and start production as well as how to professionally adjust and optimize the product.

In addition, participants will be able to identify malfunctions and rectify them independently. Your employees will also be able to carry out day-to-day care and maintenance of the printing machine independently afterwards.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Function and arrangement of the safety devices
- ✓ Operation of the machine incl. assistance systems
- ✓ Preparation and start of production
- ✓ Management of orders, production data and order changes
- ✓ Identification of troubles and troubleshooting (operator level)
- ✓ Routine care and maintenance of the machine (operator level)



Learn more about **W&H Operator Training**:

https://www.wh.group/int/en/academy/customer_training/standard_trainings/operator_training/

More details



Recommended for

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Requirements

Knowledge of the participants of printing technology, especially flexible packaging printing, materials and the production environment

Language

English



Machine technology

Flexo printing machines: MIRAFLEX, NOVOFLEX

Note

Depending on machine availability, the operator training takes place either on a MIRAFLEX or a NOVOFLEX



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

- March 20 till 24, 2023
- June 19 till 23, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Operator Training flexo printing machines using the following QR code.



OPERATOR TRAINING GRAVURE PRINTING MACHINES



Why a W&H Operator Training?

During our operator training your employees will be qualified by an experienced trainer for the safe and professional operation of your W&H gravure printing machine. They learn to utilize open machine potentials and to increase productivity and production quality in the long term.

In the training course, participants learn about the structure, equipment and safety devices of the press and understand the individual functions and technical processes. With the help of practical exercises directly on the machine, they learn how to successfully prepare and start production as well as how to professionally adjust and optimize the product.

In addition, participants will be able to recognize malfunctions and rectify them independently. Your employees will also be able to carry out day-to-day care and maintenance of the printing machine independently afterwards.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Function and arrangement of the safety devices
- ✓ Operation of the machine incl. assistance systems
- ✓ Preparation and start of production
- ✓ Management of orders, production data and order changes
- ✓ Identification of troubles and troubleshooting (operator level)
- ✓ Routine care and maintenance of the machine (operator level)



Learn more about **W&H Operator Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/operator_training/

More details



Recommended for

- Machine operators
- Shift managers
- Production managers

Group size

Max. 6 participants



Requirements

Knowledge of the participants of printing technology, especially flexible packaging printing, materials and the production environment

Language

English



Machine technology

Gravure printing machine: HELIOSTAR



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

September 11 till 15, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Operator Training gravure printing machines using the following QR code.



ELECTRICAL MAINTENANCE TRAINING FLEXO PRINTING MACHINES



Why a W&H Maintenance Training?

Regular and professional maintenance is required to ensure the long-term and reliable operation of your high-quality W&H printing machine.
With our electrical maintenance training, your employees will be enabled by an experienced trainer to maintain and service your machine carefully and in a qualified manner.

During the training, participants get an overview of the structure and design of the machine. They learn about the hardware and diagnostic tools of the individual electrical components as well as how they are used and function on the machine.

The participants learn about the interaction of the individual modules and are enabled to use the available diagnostic options to systematically search for and correct faults.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Electrical components and their operation
- ✓ Function and arrangement of the safety devices
- ✓ Electrical documentation and circuit diagrams
- ✓ Diagnostic options for systematic troubleshooting
- ✓ Detect and correct errors
- ✓ Routine care and maintenance of the machine
- ✓ Identification and ordering of spare parts



Learn more about **W&H Electrical Maintenance Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/electrical_maintenance_training/

More details



Recommended for
Maintenance employees

Group size
Max. 6 participants



Requirements
Knowledge of the participants in the field of electrics

Language
English



Machine technology
Flexo printing machines: MIRAFLEX, NOVOFLEX, VISTAFLEX



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location
W&H Academy in Lengerich, Germany



Date

- March 27 till 31, 2023
- October 16 till 20, 2023

Duration
5 days

Price per participant
On request

Registration

Register for the Electrical Maintenance Training using the following QR code.



ELECTRICAL MAINTENANCE TRAINING GRAVURE PRINTING MACHINES



Why a W&H Maintenance Training?

Regular and professional maintenance is required to ensure the long-term and reliable operation of your high-quality W&H printing machine. With our electrical maintenance training, your employees will be enabled by an experienced trainer to maintain and service your machine carefully and in a qualified manner.

During the training, participants get an overview of the structure and design of the machine. They learn about the hardware and diagnostic tools of the individual electrical components as well as how they are used and function on the machine.

The participants learn about the interaction of the individual modules and are enabled to use the available diagnostic options to systematically search for and correct faults.

Training content

- ✓ Structure and operation of the machine and individual modules
- ✓ Electrical components and their operation
- ✓ Function and arrangement of the safety devices
- ✓ Electrical documentation and circuit diagrams
- ✓ Diagnostic options for systematic troubleshooting
- ✓ Detect and correct errors
- ✓ Routine care and maintenance of the machine
- ✓ Identification and ordering of spare parts



Learn more about **W&H Electrical Maintenance Training:**
https://www.wh.group/int/en/academy/customer_training/standard_trainings/electrical_maintenance_training/

More details



Recommended for
Maintenance employees

Group size
Max. 6 participants



Requirements
Knowledge of the participants in the field of electrics

Language
English



Machine technology
Gravure printing machine: HELIOSTAR



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location
W&H Academy in Lengerich, Germany



Date
September 25 till 29, 2023

Duration
5 days

Price per participant
On request

Registration

Register for the Electrical Maintenance Training using the following QR code.



WORKSHOP FIRST TIME RIGHT



Why First Time Right?

In this practice-oriented workshop participants receive an overview of various technologies, processes, methods and measuring techniques in modern packaging printing. We specifically address the gravure printing process, the preparation of print data and the production of various printing forms and their specific advantages and disadvantages.

The expert lectures will be accompanied by live demonstrations in the W&H Technology Center. We impart practical application knowledge directly on our modern gravure presses. In the process we benchmark standard industry setup and coordination processes and provide recommendations for optimization. After the workshop participants are able to optimize and standardize processes to such an extent that production jobs can be released with no or no more than one color correction.

Training content

- ✓ Various technologies and processes in packaging printing
- ✓ Detailed insights into the gravure printing process
- ✓ Preparation of print data (reproduction)
- ✓ Printing form production in gravure printing
- ✓ Color management
- ✓ Ink formulation and ink preparation
- ✓ Film and corona pretreatment
- ✓ Efficient setup
- ✓ Benchmark of industry-standard and optimal setup and coordination processes



Learn more about **W&H Technology Events**:
https://www.wh.group/int/en/academy/customer_training/technology_events/

More details



Recommended for

- Production managers
- Shift supervisors
- Press operators
- Ink laboratory managers
- Employees from process development, application technology, quality management and technical sales

Group size

Max. 12 participants

Language

English



Machine technology

- Gravure printing
- Live demonstration with application examples on the W&H gravure printing press HELIOSTAR™



Trainer

print.con – Beilenhoff Consulting in cooperation with the W&H Academy. With more than 30 years of experience, Stefan Beilenhoff supports the printing and packaging industry as an independent consultant for more than 12 years.



Methods

- Expert lectures in the W&H Academy Training Center
- Video demonstration of practical applications live from the W&H Technology Center

Location

W&H Academy in Lengerich, Germany



Date

August 21 till 25, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Workshop First Time Right using the following QR code.



MECHANICAL MAINTENANCE TRAINING PAPER SACK LINES



Why a W&H Maintenance Training?

Regular and professional maintenance measures are required to ensure long-lasting and reliable operation of your high-quality W&H paper sack line. With our mechanical maintenance training, the participants will be empowered by an experienced W&H trainer to carefully perform routine care and mechanical maintenance on your paper sack line.

First, participants receive an overview of the machine's structure and design. Thereby, they get to know the individual units and how they are used and function on the machine. The participants learn how the individual modules interact and acquire the knowledge to adjust the basic settings on the various apparatus independently. We also address the identification and ordering of spare parts, including the necessary mechanical documentation.

Training content

- ✓ Structure and operation of the paper sack machine and individual modules
- ✓ Basic setting of the sheet unit, bottom opening station and the tear-off unit
- ✓ Transport settings
- ✓ Routine care and maintenance
- ✓ Mechanical documentation
- ✓ Identification and ordering of spare parts



Learn more about **W&H On-site Training**:
https://www.wh.group/int/en/academy/customer_training/standard_trainings/

More details



Recommended for

Maintenance employees

Group size

Max. 6 participants



Requirements

Knowledge of the participants in the field of mechanical maintenance of a paper sack line

Language

English



Machine technology

Paper sack lines: Tuber and bottomer



Methods

- Transfer of theoretical knowledge in the training room
- Practical training directly on the machine

Location

W&H Academy in Lengerich, Germany



Date

- April 17 till 21, 2023
- September 18 till 22, 2023

Duration

5 days

Price per participant

On request

Registration

Register for the Mechanical Maintenance Training for paper sack lines using the following QR code.



FURTHER OFFERS

W&H ONLINE TRAININGS



Why W&H Online Trainings?

Effective, flexible and location independent - benefit from the extensive know-how of our experienced trainers even from the distance. In our online training courses, we provide in-depth expert knowledge live over the internet. Via chat and video conference, you can exchange personal information with our experts at any time.

Our offer covers everything from training for the operation and maintenance of W&H machines to process engineering basics. We always combine theoretical basic knowledge with practical application examples. If you cannot find the training you are looking for, we will be pleased to address your individual needs and develop a training course tailored to your needs.

Use the time now for your professional development - on the road, in your home office or at your workplace.

Your advantages

- ✓ Comfortable online training at the workplace, in the home office or on the road
- ✓ Learning from certified trainers with many years of practical experience
- ✓ Direct communication and personal advice
- ✓ No travel time and costs
- ✓ High flexibility and short term booking
- ✓ Development of individual online trainings tailored to your specific needs

For further information or inquiries about our Online Trainings please contact:

@ training-center@wuh-group.com

Our online training highlights

Extrusion



Basics of blown film extrusion

Learn the process engineering basics of blown film extrusion and receive an overview of the structure and technical features of a blown film line including the functions and technical processes on the individual modules.

Training duration: 3 days, 3 to 4 hours each day

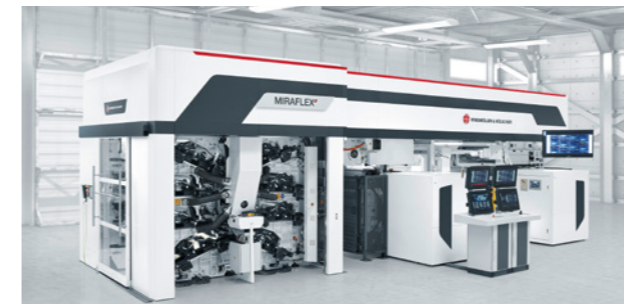


MDO Technology

Learn the basics of MDO technology and its process engineering. In addition to structure and function, we also cover operation and application as well as tips for routine care and maintenance.

Training duration: 4 hours

Printing



Basics of Flexo printing

Learn the basics of flexo printing and the properties of the process technology. Besides the structure and operating principle of a flexo press we also cover the tools and consumables.

Training duration: 3 days, 2 to 3 hours each day



Automation systems EASY Set and EASY Reg

Learn the functions and operation of the W&H EASY Set and EASY Reg assistance and automation systems for the automatic register setting of flexographic printing units.

Training duration: 2 hours



For more information and offers on **online training**, visit:
www.wh.group/int/en/academy/online_academy_trainings/

W&H CONSULTINGS

Why W&H Consultings?

With W&H Consulting, we respond to your individual needs and challenges. You will receive practical on-site advice at your premises directly at your machines. In addition to comprehensive expert knowledge, we apply professional methods to identify potential and advise you on how to implement improvements. We document the results of our analysis and optimization in a detailed report. If required, we can also provide long-term support in implementing the defined measures and stand by your side as a professional consultant and partner. Our offer includes consulting services for the optimization of your setup processes and production performance. In addition, we also advise you on the production of your products and the professional maintenance of your machines.

Your advantages

- ✓ Practice-oriented expert advice directly on your premises
- ✓ Optimization of setup processes on your machine
- ✓ Joint documentation and analysis to improve your processes
- ✓ Measures individually tailored to your needs
- ✓ Follow-up audit for clarification of questions and follow-up of the measures

Our Consulting offers



Process Consulting (setup)

The goal of this consulting is to optimally coordinate all value-added activities and reduce unnecessary cost factors.

- Basics of process optimization (Lean Management)
- Optimization of setup processes on your machine
- Joint documentation and analysis to improve your processes



Performance Check

With the Performance Check you can sustainably increase your productivity and quality.

- Improvement of production processes
- Professional analysis based on performance checklists
- Sustainable improvement of productivity and quality
- Early avoidance of downtime



Learn more about **W&H Consultings**:
https://www.wh.group/int/en/academy/customer_trainings/consulting/

INDIVIDUAL TRAINING

Why an Individual Training?

Because of the extensive know-how and many years of experience of our certified trainers, we are able to offer a wide range of training courses. In particular individual training gives you the opportunity to build specifically on your employees' existing knowledge and develop it further optimally.

The W&H Academy relies on the combination of theory and practice. Exercises directly on the machine ensure maximum learning success. Determine your own focus in the areas of machine technology, maintenance or process engineering. We can also help you to optimize your processes and products.

We will be happy to advise you personally and work with you to develop a tailor-made training concept for the flexible packaging market.

Your advantages

- ✓ Customized training concepts for the flexible packaging market
- ✓ Personal advice and supervision
- ✓ Individual focuses in the areas of mechanical engineering, maintenance, process engineering and production
- ✓ Combination of theory and practice with exercises directly on the machine
- ✓ Certified trainers with many years of practical experience

Your contact to us

For more information or booking inquiries please contact your local sales partner or the W&H Academy customer training.

@ training-center@wuh-group.com

The training offer is aimed at Windmüller & Hölscher customers. Each training course includes training documents as well as breaks and lunch on our premises. The organization of the arrival and departure as well as the overnight stay is self-directed. In all other respects, the General delivery and service conditions for commercial customers in Germany and abroad of Windmüller & Hölscher KG shall apply (version February 1, 2020).

The training course can be cancelled by the participant free of charge with a notice period of four weeks to the start of the course. After that and in case of non-participation, the full price is due.

Windmüller & Hölscher reserves the right to cancel courses or seminars or to exclude participants for organizational or economic reasons. This applies in particular if the minimum number of participants is not reached or if trainers are not available or if a provision ban takes effect.

Any participation fee already paid will be refunded. Travel and accommodation costs will not be reimbursed.



Learn more about **W&H Academy Customer Training**:
https://www.wh.group/int/en/academy/customer_training/



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