

# **Entry-level package by WALDRICH COBURG**

# Entry-level package

We would like to introduce you our entry-level package for the training of your employees.

Based on our experience and feedback from our customers, we recommend our entry-level package when purchasing a new machine. This package is designed for operating employees and service and maintenance employees (electrical and mechanical) and is designed to impart your employees the basics so your machine is used in the best possible way.

In our trainings we impart the knowledge and skills for a smooth production process and qualified handling of your machine. This includes professional operation, correct maintenance and careful care of the machine. Therefore, our entry-level package includes a training for your operating employees as well as one training each for mechanical and electrical service and maintenance employees. The basic machine as well as the machine peripherals are included.

We will be happy to advise you on selection of trainings. Our trainings make an important contribution to stabilizing your production process, documenting employee know-how and optimizing the availability of your WALDRICH COBURG machine.

Let your employees profit from our know-how through the entry-level package.

## Entry-level package

### Operator training

Imparting the basic knowledge for the operation of a WALDRICH COBURG machine

### Service and maintenance seminar mechanic – basic machine

Imparting of mechanical basics for service and maintenance employees

### Service and maintenance seminar mechanic – machine periphery

Imparting of knowledge to machine peripherals for service and maintenance employees

### Service and maintenance seminar electric – basic machine

Imparting of electrical basics for service and maintenance employees

### Service and maintenance seminar electric – machine periphery

Imparting of knowledge to machine peripherals for service and maintenance employees

# Definition of the different trainings

## Basic training – Operator

For a safe and well-trained handling as well as the avoidance of operating errors on the WALDRICH COBURG machine, a detailed training is offered beyond the standard introduction. Here your employees will be given the necessary know-how for a smooth production start.

### Target group:

- Operating employees

### Number of participants:

- Maximum 6 persons

### Requirement:

- Commissioning and installation is complete
- Machining mechanic or comparable qualification

### Seminar goals:

- Basic knowledge of operating a WALDRICH COBURG machine

### Seminar location:

- Presence

### Seminar content:

- Security technology
- Overview of machine structure
- Overview of machine functions
- Basic knowledge of machine operation (switching on / off)
- Operation – operating modes
- Operation – Move axes
- Pivoting and compensating the spindle units
- Spindle unit change (automatic)
- Machine malfunctions in the automation process
- WALDRICH COBURG – Menu
- Emergency control function
- Emergency Free Driving Device
- Tool management and its application\*
- Automation functions – BAE change
- Automation functions – Tool change
- Automation functions – Manual tool change
- Handling and functionality of interactive production support (InPro)\*
- Preventive maintenance\*
- Machine data acquisition / production data acquisition (MDE / BDE)\*
- Working areas, zero offset

\* if available

# Service and maintenance seminar – mechanic

## Basis training – basic machine

Comprehensively trained service and maintenance employees can make a significant contribution to higher machine availability and shorter downtimes. We provide your employees with the necessary specific mechanical knowledge for the WALDRICH COBURG machine.

**Target group:**

- Mechanic service and maintenance employees

**Number of participants:**

- Maximum 6 persons

**Requirement:**

- Commissioning and installation is complete
- Apprenticeship as an industrial mechanic, mechatronics engineer or comparable qualification

**Seminar goals:**

- Use machine documentation as a working basis
- Mechanical service and maintenance measures independently carry out
- Troubleshooting and error correction
- Replace spare and wearing parts
- Operate the machine in set-up mode

**Seminar location:**

- Presence

**Seminar content:**

- Machine structure
- Machine documentation
- Function and overview of the hydraulic plans
- Wearing parts recommendation
- Special tools / accessories
- Service and maintenance measures
- Functions of the control panel
- Machine malfunctions
- WALDRICH COBURG – Menu
- Emergency Free Driving Device
- Mechanical emergency release / protected areas
- Fluid technic
- Handling and functionality of the interactive production support (InPro) [InPro diagnosis / InPro maintenance / InPro machine status]\*

\* if available

# Service and maintenance seminar – mechanic

## Basic training – machine periphery

Comprehensively trained service and maintenance employees can make a significant contribution to higher machine availability and shorter downtimes. We provide your employees with the necessary specific mechanical knowledge for the WALDRICH COBURG machine.

**Target group:**

- Mechanic service and maintenance employees

**Number of participants:**

- Maximum 6 persons

**Requirement:**

- Commissioning and installation is complete
- Apprenticeship as an industrial mechanic, mechatronics engineer or comparable qualification

**Seminar goals:**

- Use machine documentation as a working basis
- Perform mechanical maintenance and repairs independently
- Error diagnostics and troubleshoot
- Replace spare and wearing parts
- Operate the machine in set-up mode

**Seminar location:**

- Presence

**Seminar content:**

- Structure and functional sequences of the machine periphery\*
- Machine documentation of the periphery
- Service and maintenance of the periphery
- Feeding systems for spindle units\*
- Automatic tool changing systems\*
- Automatic workpiece changing systems (e.g. pallets) \*

\* if available

# Service and maintenance seminar – electric

## Basic training – basic machine

If downtimes are to be kept to a minimum, well-trained electrical employees are the basic prerequisite. We show your service and maintenance employees how to operate the machine in set-up mode, how to quickly find and eliminate faults and replace spare / wear parts. When new machines are sold, the basic machine and the machine peripherals are part of a training course.

**Target group:**

- Electric service and maintenance employees

**Number of participants:**

- 4-6 Persons

**Requirement:**

- Commissioning and installation is complete
- Apprenticeship as an industrial mechanic, mechatronics engineer or comparable qualification

**Seminar goals:**

- Use machine documentation as a working basis
- Mechanical service and maintenance measures independently carry out
- Facilitation of troubleshooting and error correction
- Replace spare and wearing parts
- Operate the machine in set-up mode

**Seminar location:**

- Presence

**Seminar content:**

- Security technology
- Machine construction
- Machine documentation
- Service and maintenance measures
- Data backup / data recovery
- Professional bus system, signal networking, customer connection (teleservice / remote maintenance)
- Hardware replacement and hardware settings
- Basic functions of the machine control
- Control panel functions
- Machine malfunctions
- WALDRICH COBURG – Menu
- Emergency Free Driving Device (FFE)
- Defining, setting the zero points and travel paths
- Interactive production support (InPro)\*, [InPro maintenance / InPro diagnosis / InPro machine status, InPro documentation] \*

\* if available

# Service and maintenance seminar – electric

## Machine periphery

The electrical service and maintenance of the machine peripherals can include a wide variety of systems. You will receive instruction as well as tips and tricks for troubleshooting from our employees on the peripherals you have. For example: Tool changer, double table or pallet system.

**Target group:**

- Electric service and maintenance employees

**Number of participants:**

- Maximum 6 persons

**Requirement:**

- Commissioning and installation is complete
- Apprenticeship as an industrial mechanic, mechatronics engineer or comparable qualification

**Seminar goals:**

- Use machine documentation as a working basis
- Electrical service and maintenance work on the machine peripherals independently carry out
- Troubleshooting machine peripherals
- Operation and online connection to the machine peripherals

**Seminar location:**

- Presence

**Seminarinhalte:**

- Security technology
- Machine construction
- Defining, setting the zero points and travel paths
- Defining, setting DSS
- Replacement of motors, encoder systems or other hardware
- Service and maintenance measures
- Feeding systems for spindle units\*
- Automatic tool changing systems\*
- Automatic workpiece changing systems double table or pallet systems\*
- Structure and functional processes of the machine peripherals\*

\* if available