



Machine Diagnosis Training Advanced

Sometimes the most effective way to learn is by trial and error. This training will challenge you to solve difficult technical problems created by the trainer. The goal: teaching technicians how to solve problems in practice on sensor level and via HMI.

Training content

The trainer will start by sabotaging the machine and generating difficult problems, such as: errors on the sensor level, errors in the Profibus and Profinet system, problems related to the safety system and settings on the HMI. The technicians will learn how to use the electrical drawings and the HMI to solve the created problems. The technicians will become familiar with the machine and its common problems. They will know how to contact the service department of AWL and which information has to be prepared in case of an error.

Results

- General experience, the feeling you can master the problems
- Being aware of difficult problems and how to solve them
- Being able to set up the machine settings
- Knowing when to contact the AWL service department

Preparation

The AWL trainer will send a personal invitation to every participant together with a selection of parts from the machine manual.

The training covers subjects like:

- How to use the HMI to diagnose problems
- Where the “tricky” points in the machine are
- Machine settings and limits
- Reading a message from the safety system
- How to use electrical drawings to solve problems
- How to adjust special sensors properly



Subject:	Machine Diagnosis Training Advanced
Target group:	Maintenance (electrical) Maintenance (process)
Duration:	4 hours
Max. participants:	2
Location:	On customer's premises (preferable) AWL-Techniek
Scope:	The scope of this training is to solve electrical problems.
Other related training programs:	To learn how to diagnose the machine via a laptop by opening the PLC program we advise the Machine Diagnose Training Expert.
Pre knowledge:	Knowledge about Profibus, Profinet and electrical drawings is required.
Requirements:	During this training the machine has to be available.
Spoken language:	English, German
Language of course material:	English

■ □ □ *Beginner*

■ ■ □ *Advanced*

■ ■ ■ *Expert*



**AWL Automation
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