



## Machine Use Training Basic

*How well do you know your own car? You can drive it, but did you know you can open the windows by pressing the "door open" key longer? This is the same with our machines. Discover the "hidden" functionalities available to operators. The goal: control your own machine even better!*

### Training content

This training will start in a meeting room with a beamer, away from the loud machines to enable full attention. The basic HMI functions will be explained effectively via a run-time simulation. A short overview of the most-used control buttons and signals everywhere in and around the machine will be shown. This includes the safety buttons, switches and sensors. The trainer will pay attention to dangerous movements and what not to do with the machine. Special procedures are explained in theory, for instance; starting up the machine, how to reset the machine, how to exchange the electrodes (spot welding), and how to request a laser power test (laser welding).

After the theory the trainer and a small group of operators will perform the basic functions at the machine. This begins with showing the safety components, followed by starting up the machine. When started, the trainer will explain how to fill the machine with parts and where to pay special attention. The trainer will demonstrate what happens in case of clamping failure, how to diagnose and how to solve such problems. The process (mostly welding) will be distorted on purpose, and the operator will learn the NOK strategy.

The trainer will demonstrate how to change the product-variant settings. Daily maintenance is also handled, like water cooling, light curtains and keeping the jig in good condition. During this training the machine manual will be used as a reference to indicate where the procedures are described.

### Results

- Ability to reset and start the machine
- Ability to find and solve common problems, like clamping failures
- Ability to change the product variants
- Determine when to ask for maintenance help
- Ability to keep the machine running with daily maintenance

### Preparation

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

### The training covers subjects like:

- The function of each commonly-used button, switch and signal
- Where the safety components are
- How to solve a clamping failure
- How to use the counters
- How to work with the NOK strategy
- How to read a basic message with sensor coding
- How to change the product variant
- What not to do



Subject:	Machine Use Training Basic
Target group:	Operators and Operational Managers
Duration:	2-4 hours theory and 2-4 hours practice
Max. participants:	4
Location:	On customer's premises (preferable) AWL-Techniek
Scope:	The scope of this training is "every day use"
Other related training programs:	To learn about changing parameters or using special functions protected by passwords or a key, we advise the Machine Use Training Advanced
Pre knowledge:	Experience with controlling machines, HMI's and knowledge about safety is preferred
Requirements:	A meeting room with beamer is necessary for the presentation During the practical training the machine has to be available
Spoken language:	English, German
Language of course material:	English

■ ■ ■ Beginner

■ ■ ■ Advanced

■ ■ ■ Expert

**AWL Automation S. de R.L. de C.V.**

Parque Tecnológico  
Innovación Querétaro  
Lat. Carretera Estatal 431 km 2+200  
Lote 99 • Módulo 1  
76246 El Marqués, Querétaro  
Mexico

☎ +52 144 2717 5775  
✉ info@awl.mx

**AWL Automation LLC**

4231 Orchard Park Blvd  
29303 Spartanburg  
South Carolina  
USA

☎ +1 864 419 3541  
✉ info@awl.us

**AWL-Techniek B.V.**

Keplerstraat 5  
3846 CN Harderwijk  
The Netherlands

☎ +31 341 411 811  
✉ info@awl.nl

**AWL-Techniek CZ s.r.o.**

Kvítkovická 1670  
763 61 Napajedla  
Czech Republic

☎ +420 577 112 789  
✉ info@awl.cz

**AWL Automation Welding and Cutting Equipment (Wuxi) Co., Ltd.**

NO. 15-7, Jinhui Road, Huishan Economic  
Development Zone  
Wuxi, Jiangsu  
China

☎ +86 510 8356 0058  
✉ info@cn.awl.nl

