

# EWM Virtual Welding Trainer

Realistic welding training  
– straightforward, fast and safe

**New**

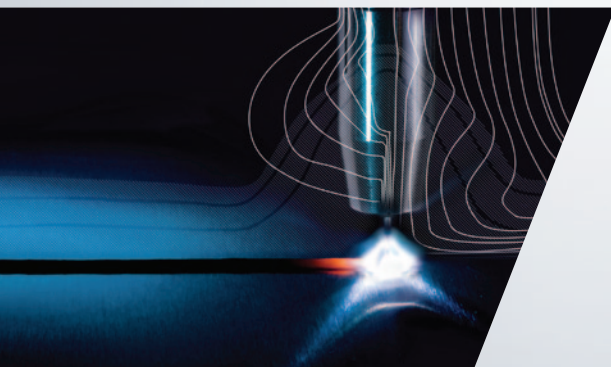


## Highlights

- Realistic, hands-on welding training – straightforward, fast, and safe
- MIG/MAG, TIG and MMA
- Screen-based learning is the most effective – no additional accessories like a workpiece or helmet are required
- Intuitive operation/menus for the torch – neither mouse nor keyboard are needed
- Independent control boosts learning effectiveness
- Replaces time-consuming, costly welding experiments and reduces material expenses for training by up to 35 %
- Conserves resources and protects the environment

## Fields of Application

- Basic and advanced training
- Refresher courses for welders
- Training for new welding tasks
- Test and train production methods





Select welding process

- **All-rounder**  
Train for all common processes: MIG/MAG, TIG, MMA
- **Versatile and flexible**  
The user learns a variety of techniques, seam shapes and movements
- **Instructive and network-capable**  
Straightforward analysis of mistakes and progress
- **Extensive, intuitive displays**  
Excellent overview of the student's progress from one task to another
- **Systematic practice methods**  
The sophisticated pedagogical concept lets you customise the level of difficulty and individual tasks to match the student's capabilities as well as the trainer's objectives

## Description and functionality

- Virtual welding trainer
- Flexible expansion options
- Equipment (torch and electrode holder) has highly realistic shape, weight, and ergonomics
- Generate your own welding tasks
- Improves fine motor skills and movement patterns during welding
- Independent visual control of results and welding parameters boosts learning effectiveness



Selection of parameters such as welding position

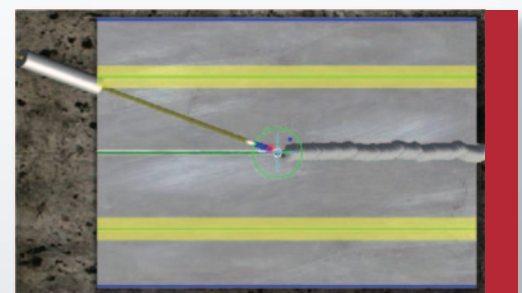


Setting of tolerance ranges

## Different modes

- **Targeted training – Course mode**  
You can configure training content and level of difficulty specifically according to the target group's capabilities – from the process to seam type and positions, from the tolerance range to direction and speed

- **Learning from the ground up – Free-Mode**  
Four sections for rapid learning progress: welding speed, distance to workpiece, setting angle, and welding direction. Realistic arc noises and visual aids/warning signals result in immediate correction of the welding process



During the welding training



Evaluation of the welding training

- **User-specific reinforcement – Test mode**  
Redundant exercises without visual aids reinforce learned material consistent with the training objectives defined in the curriculum