

# ARCPro+

## Welding Simulator

Realistic learning experience in virtual welding workshop.

4 Different Torch Type

TIG  
Gas Metal (ARGON)  
Arc Welding

SMAW  
Electric  
Arc Welding

FCAW-S  
FCAW-G

Cored Wire Gas  
Metal Welding

MIG-MAG

Gas Metal  
Arc Welding

- ✓ It offers versatile, low-cost, safe and high-quality welding training.
- ✓ It offers a realistic working environment with its welding bench and real welding parts attached to it.
- ✓ It offers realistic training with its high precision mask and torch motion tracking system.



Virtual  
Reality



Self Learning  
Simulation



Statistical  
Reporting



 **SANLAB**  
Learning Technologies

Technology Experts 0216 377 70 01  
0542 377 70 11

info@sanlab.net  
www.sanlablearning.com

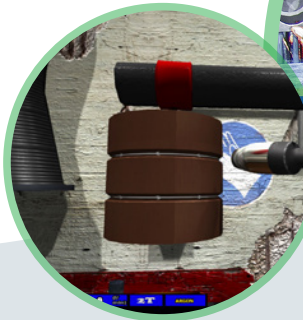
# ARCPro+

## Welding Simulator

Technology that trains Welding Operators within 4-6 weeks with an innovative approach

Realistic working environment with a welding bench and 14 different welding parts

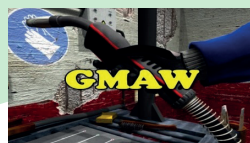
### Modul Varieties



### Highlighted Features

- ✓ It offers an impressive experience with high resolution virtual reality glasses.
- ✓ It is user friendly. It gives the opportunity to use the whole system with the joystick on the torches and a trigger without the need to remove the virtual reality glasses and without a keyboard / mouse.
- ✓ It provides the monitoring of critical parameters (forwarding speed, orientation angle, etc.) for the welds and graphically displaying analyzes such as porosity analysis, penetration analysis, spatter analysis.
- ✓ With its instructor interface, different reports are saved for each student, instructor, class or group, and the training results can be printed out digitally or from a printer.
- ✓ At the end of each welding pass, the simulator generates a statistical report showing the accuracy percentages for each parameter under control in the exercise. These reports are recorded on the trainer's computer.
- ✓ All trainings can be recorded and then watched by the student again, accompanied by an instructor. During playback, applications made by changing camera angles can be viewed from different angles. This feature is one of the most unique features of ArcPro+ in the industry.
- ✓ ArcPro+ detects real-time errors during simulation. Distance, steering angles and speed are controlled. The correct grip and angles are shown to the user with the arrow directions. Each exercise is then recorded to allow 3D interactive review.
- ✓ The user can freely change the welding parameters (tension, wire speed, wire angle, etc.) at any time using the joystick on the welding torch.

### Types of Torches



Torches can be changed and worked in different welding types with a simple rip-plug without shutting down the system.

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