



Welducation Simulator



Welducation Simulator

Realistic Welding Training Like Never Before

- Welding simulation with augmented reality technology (AR)
- Packaged in a **TransSteel 2200c** housing
- Usage of **real welding torches**
- **Preparation before welding** as for a real weld
(**setting parameters, power and ground cables,...**)
- Welding simulation of three different materials possible
(steel/stainless steel/aluminium)



Welducation Campus

The Welducation Campus platform that comes with the simulator will offer comprehensive quality welding training within one tool:

- **virtual welding tasks**
- **theory**
- **knowledge testing**
- **documentation of real welding tasks**

The Welducation Campus can be accessed on any end device (**mobile phone, tablet, laptop**) and offers a user interface for **both trainers and students**.

The screenshot displays the Fronius Welducation Campus web interface. At the top, the navigation bar includes the Fronius logo, 'Campus', 'WELDEDUCATION', and user information for 'Fronius International GmbH' and 'Philipp Schlor'. The main content area shows a 'Demo - Basic overview course' with a description: 'This course aims to teach the basics of the welding methods MIG/MAG, MMA and TIG'. Below this, there are three expandable sections: 'MAG Steel', 'MAG CrNi', and 'MIG Aluminium'. Each section contains a list of tasks, including 'Fronius Welscript MIGMAG 01 - Gas metal arc welding (GMAW)', 'Fronius Welscript MIGMAG 02 - Process control', and various ISO 9606-1 standards for different materials and processes. A '»' icon is visible at the bottom left of the interface.

Advantages of virtual welding simulation

– **Safety:** no safety risks



– **Cost reduction:** no material usage (gas, wire, metal sheets)

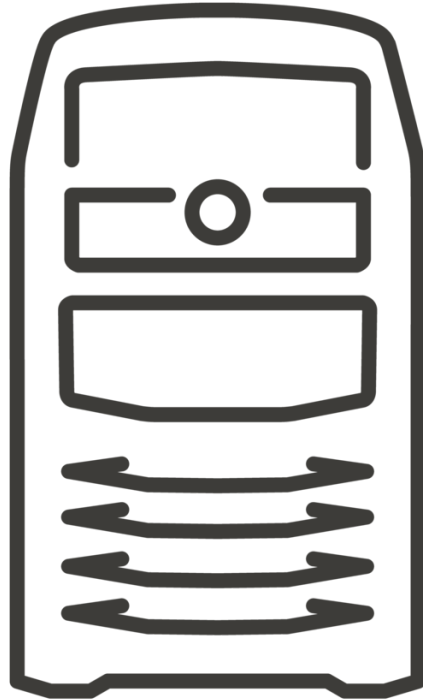


– **Interactive support:** direct feedback

Customer benefits of virtual welding simulators*

65%

more arc time on the simulator



16,3%

more efficient training

> 3x more trials

on the simulator, > 3x more welding trials can be conducted in the same training time than in the welding cabin

* according to our field study at the Fohnsdorf Training Center