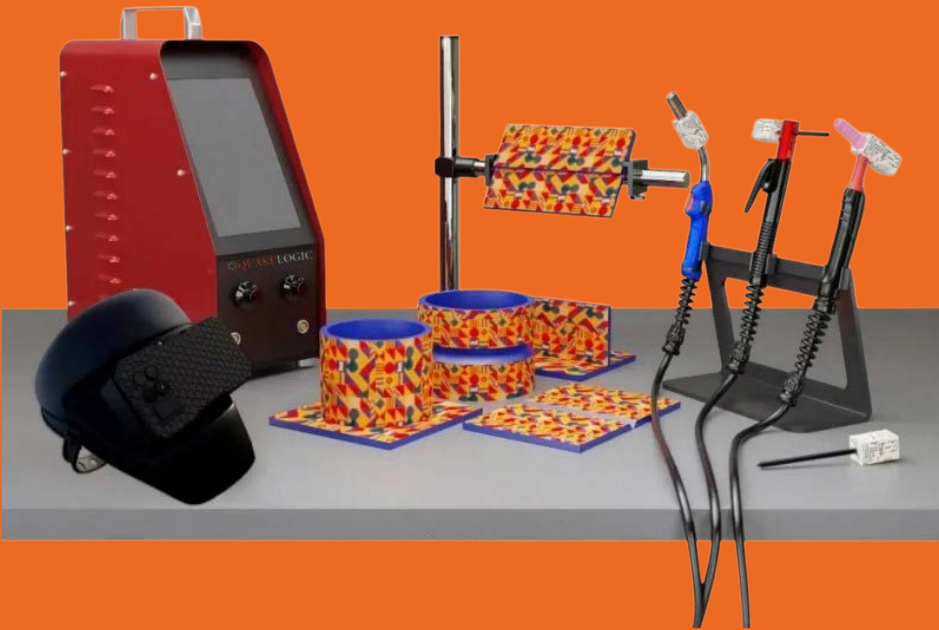


# QL-AR-Weld-Pro

# QUAKELOGIC

## AR WELDING TRAINING SIMULATOR



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## AR Welding Training Simulator



### IMMERSIVE AUGMENTED REALITY WELDING TRAINING

The QL-AR-Weld-Pro is an augmented reality welding training simulator built for vocational schools, technical colleges, welding training centers, and industrial training facilities. It pairs AR technology with realistic welding tools to let trainees develop practical skills without the material consumption or hazards of live welding. The system covers four welding processes, three base materials, three thicknesses, and five joint configurations, with structured and personalized training programs.

- Provides a safe, controlled welding environment that avoids live-arc welding hazards during simulated training.
- Reduces the consumption of welding materials and consumables during training while supporting repeated welding exercises for economical, environmentally conscious skill development.
- Supports four welding processes, three base materials, three thicknesses, and five joint types for broad, transferable welding competency.
- Personalized and gamification-based learning paths increase trainee engagement and structure progressive development of practical welding skills.

### STANDARD FEATURES »

- Welding Mask / Shield
- 3 Manual Welding Torches for Supported Welding
- Welding Gloves
- Workpiece Clamp
- Welding Curriculum
- AR Training Software
- eLearning Software
- Perpetual Software Licence

# Key Features

- Interactive augmented reality welding environment reproduces realistic weld conditions, letting trainees build practical technique without a live arc or the associated welding consumables.
- Supports GMAW/MIG-MAG, FCAW, SMAW/MMA, and GTAW/TIG, delivering process-specific training with corresponding welding torches for practical welding skill development.
- Three base materials and three thicknesses let trainees practice technique adjustments across commonly used industrial materials and different material thickness conditions.
- Five welding joint configurations cover plate and pipe fillet, butt, and lap welds so trainees practice varied real-world weld geometries.
- Basic training program includes five beginner-level welding seam exercises that build fundamental skill through structured, repeated practical activities.
- Personalized training programs structure activities by skill level, objective, process, material, thickness, and exercise to create individualized learning paths.
- Gamification-based interactive learning increases trainee motivation and engagement while reinforcing progressive, repeated practical welding skill development.
- Realistic accessory set, including three manual torches, mask, gloves, and clamp, reproduces the physical handling of live welding equipment.
- Supplied with a structured welding curriculum and eLearning software, complementing hands-on AR exercises with digital educational content and systematic progression.

## PRODUCT FEATURES

### Simulation Technology

Augmented Reality (AR) welding environment · Interactive, immersive weld visualization

### Welding Processes

GMAW (MIG/MAG) · FCAW (Flux-Cored) · SMAW (MMA, coated electrodes) · GTAW (TIG)

### Base Materials

Carbon steel · Stainless steel · Aluminum

### Material Thicknesses

3 mm · 6 mm · 10 mm

### Joint Configurations

Plate T-joint fillet weld · Plate-pipe T-joint fillet weld · Pipe V-butt weld · Plate V-butt weld · Lap weld

### Training Programs

5 beginner-level welding seam exercises · Personalized training paths · Gamification-based learning

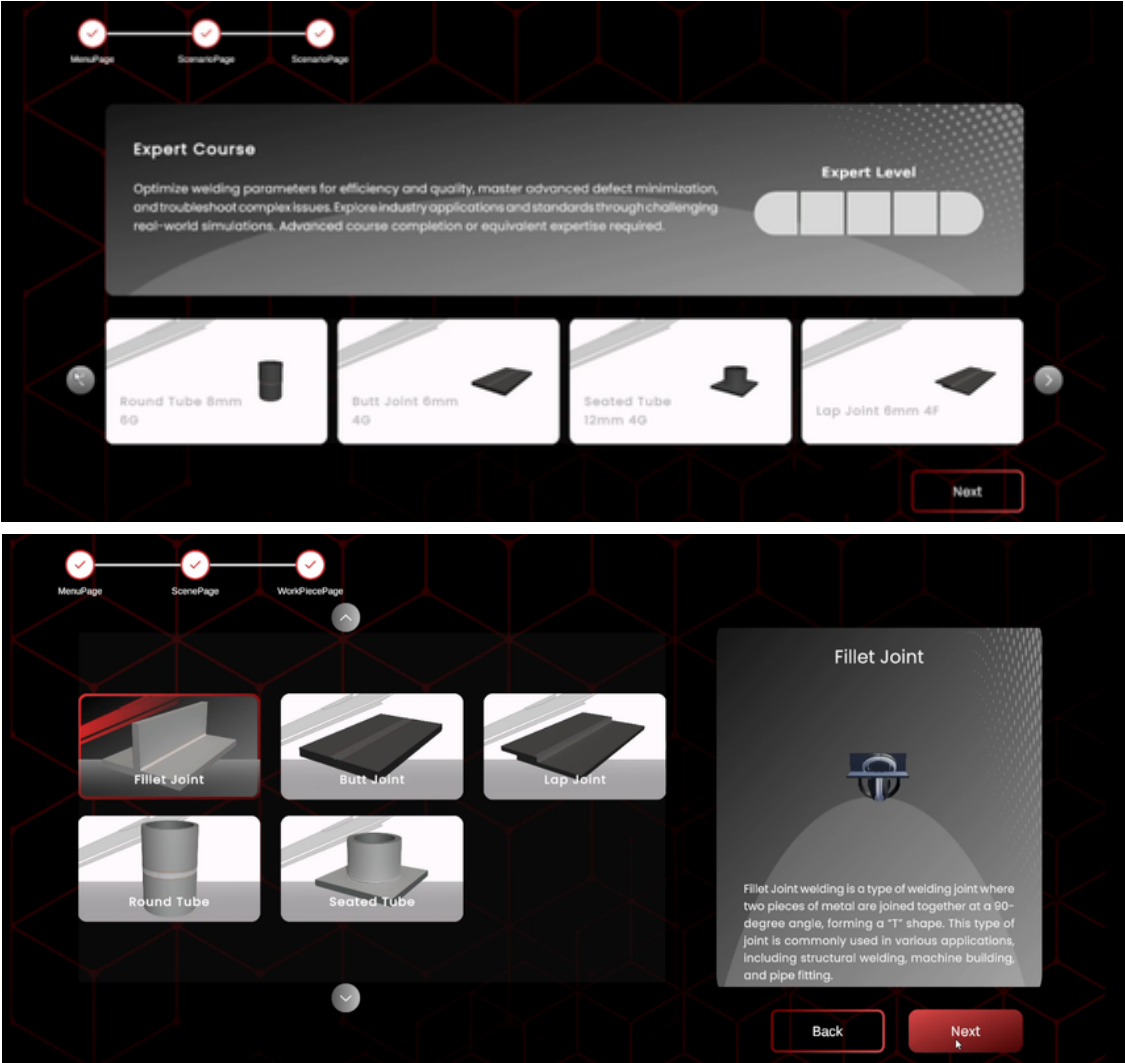
**For more information about the features, specifications, and available configurations of the QL-AR-Weld-Pro, please contact QuakeLogic.**



TECHNICAL SPECIFICATIONS

| SPECIFICATION                    | DESCRIPTION                                           |
|----------------------------------|-------------------------------------------------------|
| Brand                            | QuakeLogic                                            |
| Model                            | QL-AR-Weld-Pro                                        |
| Product Type                     | Advanced Augmented Reality Welding Training Simulator |
| Simulation Technology            | Augmented Reality (AR)                                |
| Welding Processes                | GMAW, FCAW, SMAW, GTAW                                |
| Supported Base Materials         | Carbon Steel, Stainless Steel, Aluminum               |
| Material Thicknesses             | 0.12, 0.24, 0.39 in (3, 6, 10 mm)                     |
| Welding Joint Configurations     | 5 Types                                               |
| Basic Welding Training Exercises | 5 Beginner-Level Welding Seams                        |
| Manual Welding Torches           | 3                                                     |

| SPECIFICATION                  | DESCRIPTION |
|--------------------------------|-------------|
| Welding Mask / Shield          | Included    |
| Welding Gloves                 | Included    |
| Workpiece Clamp                | Included    |
| Welding Training Software      | Included    |
| Personalized Training Programs | Supported   |
| Gamification-Based Learning    | Supported   |
| Welding Curriculum             | Included    |
| eLearning Software             | Included    |
| Software Licence               | Perpetual   |



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**About QuakeLogic:**

QuakeLogic Inc. is a California-based engineering and technology company providing innovative, reliable, high-quality solutions to customers worldwide.

**Our Commitment**

We are committed to quality, innovation, and customer satisfaction – building lasting partnerships through reliable solutions and dependable support.

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