

WELDING SIMULATOR · SRI LANKA

AR Welding Trainer

An augmented reality welding simulator that lets trainees practise MIG/MAG, flux-cored, TIG and stick welding with no arc, fumes or consumables, while every weld is scored.

4 welding processes

7 exercise types

Weld scoring

2-year warranty

*Illustration – final design may vary***No arc, fumes or consumables**

Safe practice for beginners

Runs on standard power

No welding power supply needed

Installed and supported

Setup and instructor training included

Real technique, no real arc

Trainees weld on real-looking practice pieces while wearing a helmet with a built-in stereovision headset. Tracking markers on the torch and workpieces let the system follow every movement and show a realistic weld pool, bead and sparks inside the helmet.

Because nothing is actually melted, trainees can repeat an exercise as often as they need, with no material cost and no safety risk, and instructors get an objective score for each weld.



Illustration: a student practising a T-joint. No real arc, sparks or fumes.

WHY INSTITUTES CHOOSE IT

Better welders, lower training costs

Lower training costs

No metal plates, gas, wire or electrodes used up; the training pieces are reused again and again.

Faster learning

Instant feedback and scoring on every weld helps trainees correct their technique sooner.

Ready for certification

Unlimited practice builds the skills trainees need before certification tests.

Safer training

No real arc, sparks, heat or fumes while beginners learn.

Green technology

Less material waste and no welding fumes.

Installs anywhere

Runs on an ordinary power outlet; no welding power supply needed.

WELDING PROCESSES

MIG/MAG (GMAW)

Flux-cored (FCAW)

TIG (GTAW)

Stick (SMAW)

EXERCISES

Flat plate

Butt joint

T-joint

Lap joint

Corner joint

Pipe and pipe-to-plate

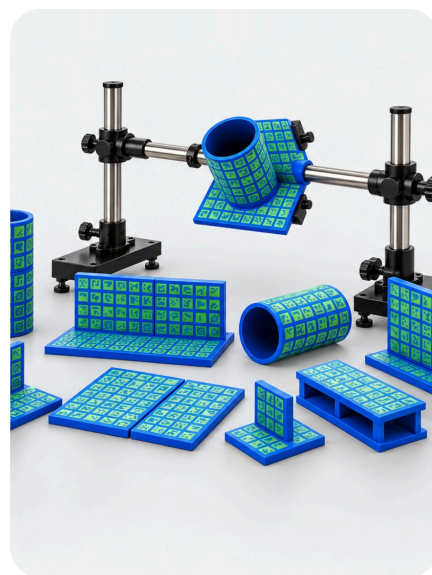
Everything you need to start training



AR helmet with stereovision headset



MIG/MAG and TIG torches, SMAW electrode holder



Adjustable workstand and training pieces

Specification	AR Welding Trainer
Welding processes	MIG/MAG (GMAW), flux-cored (FCAW), TIG (GTAW), stick (SMAW)
Exercises	Flat plate, butt, T, lap and corner joints, pipe, pipe-to-plate
Machine settings	Voltage, amperage, polarity, wire feed speed, shielding gas
Consumables	Electrode or wire material and diameter
Technique	Stitch technique, welding direction, manual or automatic trigger
Trainee setup	Right- or left-handed; adjustable workstand
Assessment	Weld scoring and student progress tracking
Power	Standard mains power; no welding power supply needed
Software language	English
Warranty	2 years

INCLUDED IN THE KIT

Main AR welding simulator unit · AR welding helmet with stereovision headset · MIG/MAG torch · TIG torch · SMAW electrode holder and training electrode · TIG foot pedal · welding gloves · adjustable workstand · flat plate, butt, T, lap, corner, pipe and pipe-to-plate training kits · tracking and calibration markers · calibration rod · cables and power supply

Product images are illustrations – final design may vary. Specifications may change; please confirm when ordering.

Built for real training rooms



Illustration: a technical-college welding class



Touchscreen main unit



TIG foot pedal for amperage control

IDEAL FOR

Vocational training institutes

Technical colleges

Universities

Shipbuilding and marine

Manufacturing

Construction companies

HOW WE WORK

01

Consultation

Tell us about your courses and how many trainees you train.

02

Demo and proposal

See the trainer in action and receive a tailored quotation.

03

Installation

We install the trainer, calibrate it and set up your first exercises.

04

Training and support

Instructor training, backed by our help desk.

English software

Menus, exercises and scores in English.

Instructor training

Your instructors learn how to configure exercises and read the scores.

Warranty

2-year warranty.

Local support

Help desk and technical support from our Rajagiriya office.

Request a quote

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