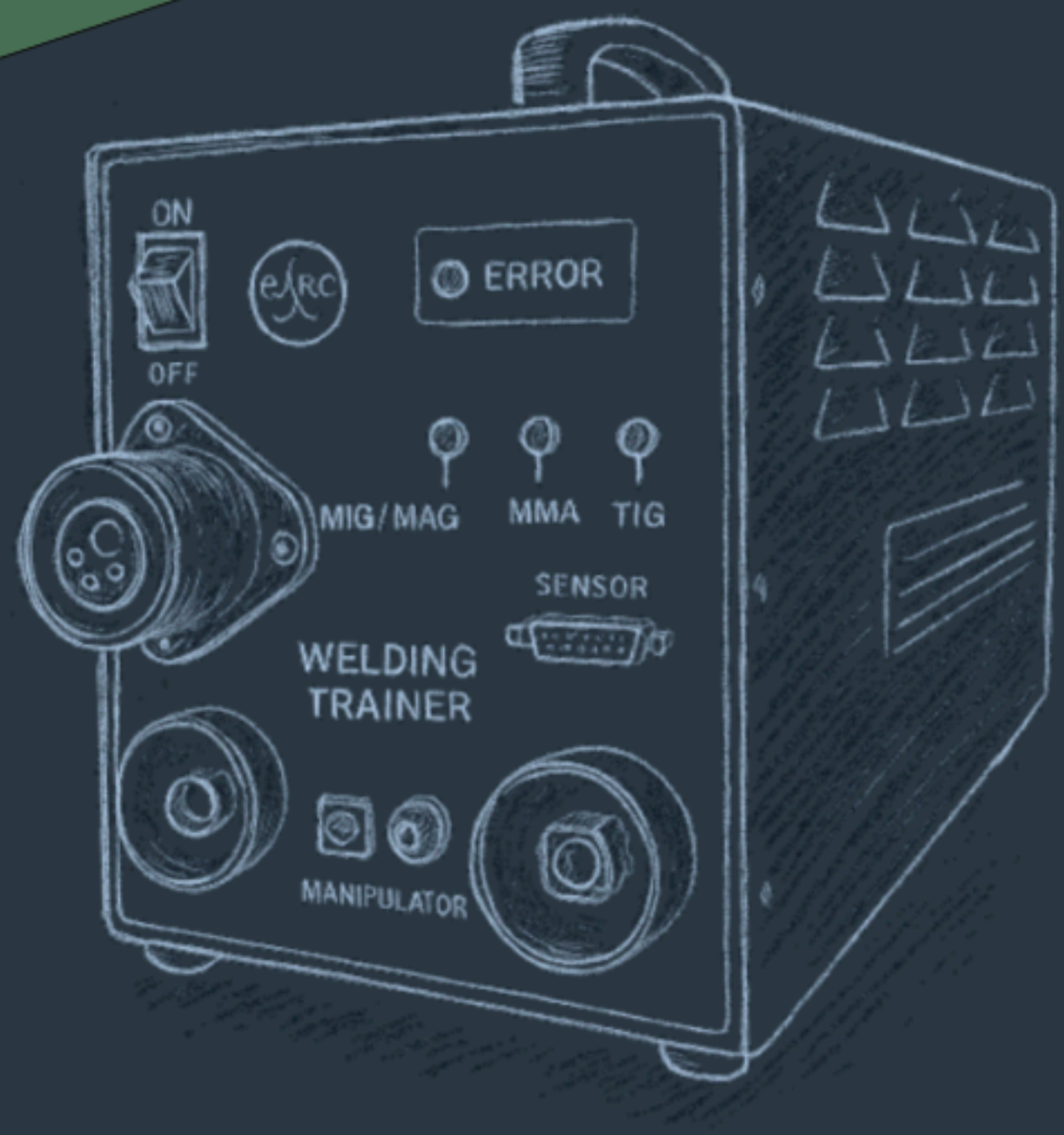
LET'S STRIKE AN ARC!

WELDING SIMULATOR



LEARN MORE

WELDING SIMULATOR

The eARC Welding Simulator is built on **advanced inverter technology**, delivering authentic welding experience with realistic arc, light, sound, and smoke — but without the costs and risks of traditional welding. It is designed for students, training facilities, and companies that aim to develop professional welding skills in a safe, eco-friendly, and energy-efficient solution.

ONE SOLUTION — THREE WELDING METHODS

MMA - Manual Metal Arc

TIG - Tungsten Inert Gas

MIG/MAG - Metal Inert Gas/Metal Active Gas

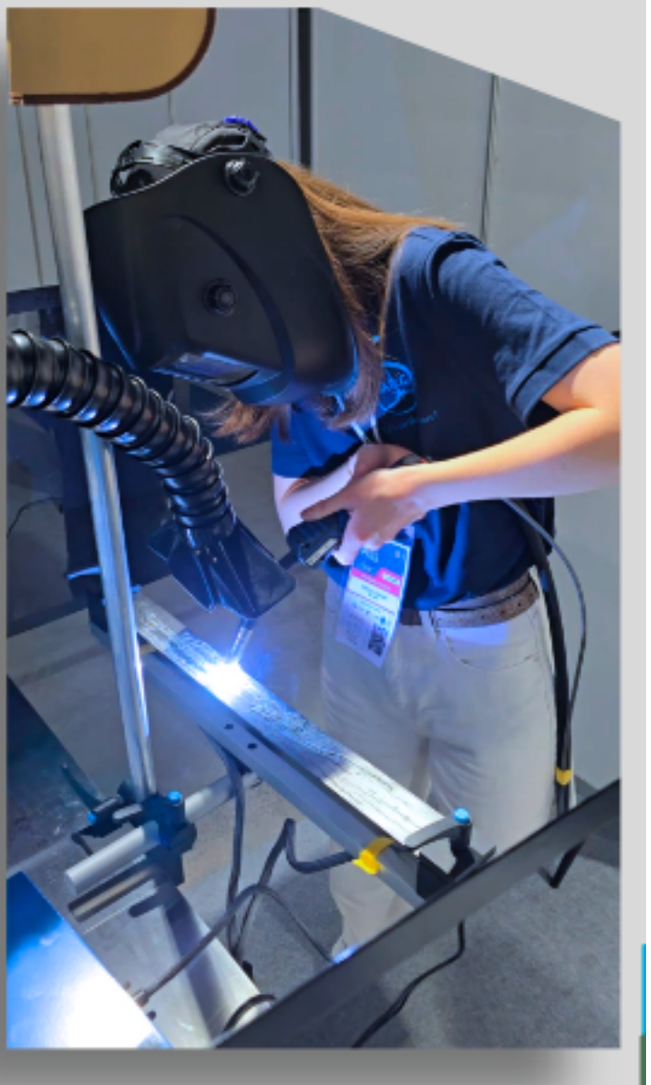
For Students → **Safe training, faster learning curve**

For Companies → **Cost reduction, sustainability, efficiency**

For Institutions → **Aligns with ecological and technological standards**

ADVANTAGES

- **Low electrode consumption**
- **No gas consumption**
- **No metal consumption**
- **Energy efficient**
- **Excellent value for money**
- **Fast adaptation**



KEY BENEFITS

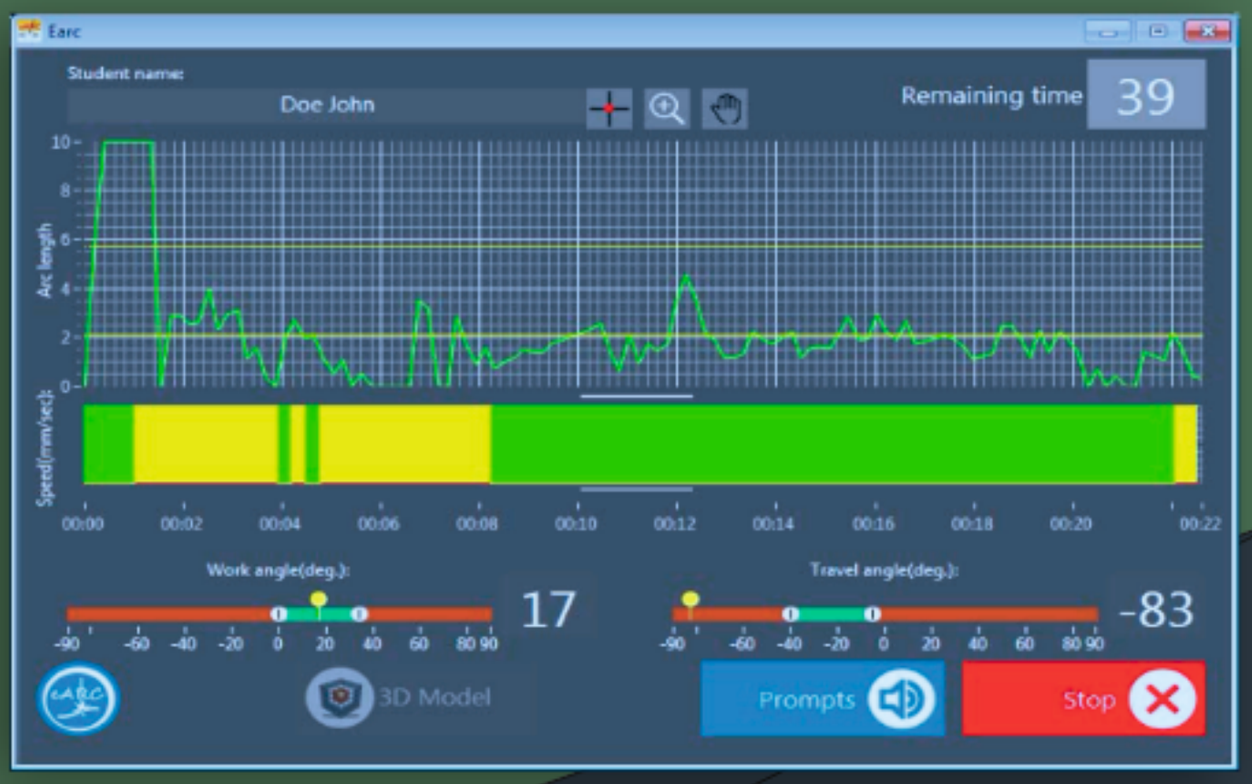
Cost effective
Reduces training expenses compared to traditional welding

Eco-friendly
No gas, no consumables, low pollution

Safe training
Low risks of burns, injuries or fire

Real welding experience
Arc, sound, light, fume and motion just like in reality

Customized to your needs
Easy customized design, interface language, package content



TECHNICAL SPECIFICATIONS

Name of the parameter	Value
U0, peak voltage at the electrode in open circuit	≤ 100 V
Us, the average voltage at the electrode in open circuit	≤ 65 V
I2max, maximum welding current	≤ 4,5 A
U2min…U2max, min. and max. voltage of the electric arc	18…40 V
U1, Power supply, AC [50/60Hz]	220-230 V
P1max, maximum power consumption	≤ 0,250 W
Supported and measured length of the electric arc	0,5…6,5 mm
Supported and measured welding (travel) speed	2…15 mm/s
Measuring range of travel and working angles, for MMA torch	±90°
Measuring range of travel and working angles, for TIG MIG/MAG torches	±45°
Continuous arc maintenance time	≤ 10 minutes
Weight of the simulator interface unit	≤ 9 kg

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