

# MobileArc™

## Augmented Reality Welding System

### Quick Specs

**Process**  
MIG (GMAW)

**Material Type**  
Steel

**Joints**  
T-joint, butt joint, lap joint

**Net Weight**  
7 lb. (3.2 kg)  
(complete system with travel bag)

### Recruit. Introduce. Inspire.

An affordable, easy-to-use welding simulation tool designed to attract, engage and introduce students to welding through a hands-on augmented reality experience.



**LIGHTWEIGHT**



**SIMPLE INTERFACE**



**REAL  
TIME  
FEEDBACK**



**VERSATILE MOUNT**



#### Comes complete with:

- Mobile device with case
- Black Classic helmet with mobile device mount
- MIG welding gun with AR nozzle
- Mobile device gun mount
- Workpiece (configurable base and top plates)
- 1.50 and 2.00 magnifying lenses
- Mobile device charger
- Travel bag



System is warrantied for one year, parts and labor.



#### Miller Electric Mfg. LLC

An ITW Welding Company  
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#### Equipment Sales US and Canada

Phone: 866-931-9730  
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#### MillerWelds.com



## MobileArc™ Features

**Highly portable, lightweight design** allows for easy transport for remote learning and recruiting events.

**Easy setup and simple user interface** allows for students to work independently, helping to increase instructor efficiency.

**Real-time feedback** is provided on users' technique to help correct errors. Reinforce proper welding practices and accelerate skill advancement prior to actual live arc welding in a lab.

**Reduce overall training time** compared to traditional methods with the realistic welding simulation of the MobileArc.

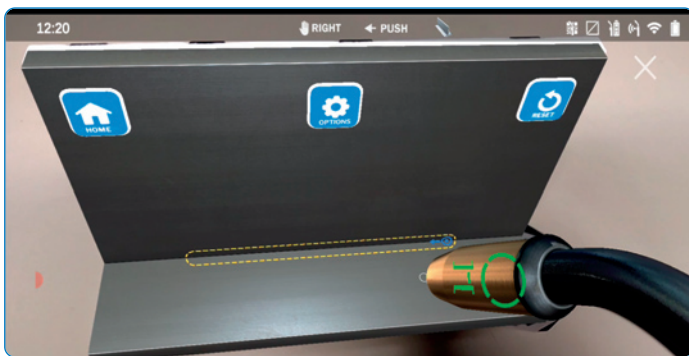
**Minimize material cost** by saving wire, gas and workpieces in this simulation environment, allowing students to define their welding skills before beginning live arc welding.

**Specially designed helmet mount** provides a fully engaging welding experience.

**Welding gun mount** allows the mobile device to be mounted to the welding gun to promote further student interaction, allowing them to share the welding experience.

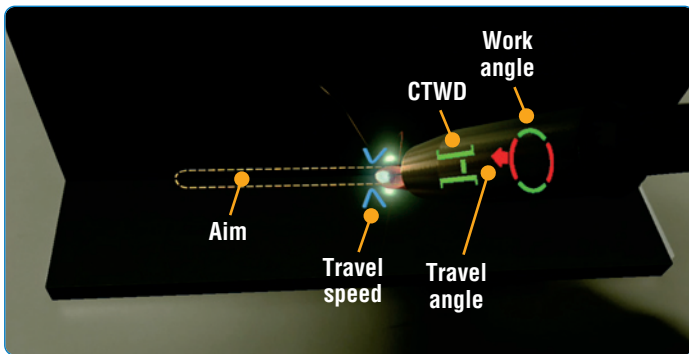
**The output can be streamed to an external display** for a more collaborative learning environment.

## Augmented Reality Displays



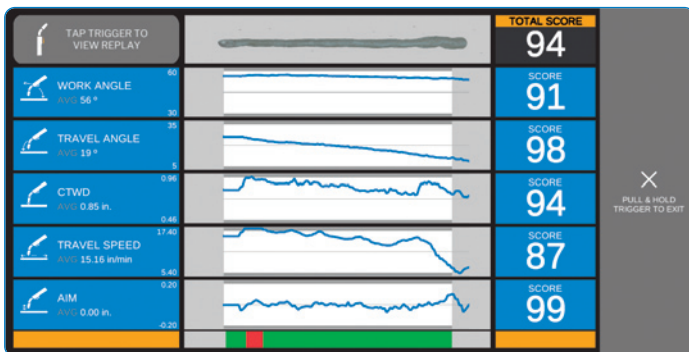
### MobileArc™ display

- Mobile device camera captures images of the welding gun and workpiece
- Simulator generates three-dimensional images of metal workpieces, augmenting them into a real-world environment



### Welding simulation screen

- Visual graphical aids guide the user to achieve target parameters
- Adherence to welding parameters is monitored, with confirmation when maintained or alerts when exceeded
- Realistic arc sounds from the systems speakers accompany the visuals for a truly immersive experience



### Post-weld feedback screen

- User's performance is scored, graphed and recorded for playback
- Performance feedback on various parameters is provided
- Recent scores are stored and available for instructor review

## Specifications (Subject to change without notice.)

Battery Life	Processes	Welding Positions	Joints	Net Weight
<b>Mobile Device (internal rechargeable battery)</b> 3 hours of continuous simulation (will run indefinitely when powered through USB charging port)  <b>Welding Gun (9-volt battery)</b> 70 hours of continuous use	GMAW	2F, 1G	T-joint, butt joint, lap joint	<b>System with Travel Bag</b> 7 lb. (3.2 kg)  <b>Welding Helmet with Mobile Device</b> 25 oz. (709 g)

## Replacement Components



### Magnifying Lenses

**212238** 1.50 magnification

**212240** 2.00 magnification

4.25 x 2 x 5/23 inch lens enhances view, making it easier to see.



### MobileArc Transport Case 294932

Allows for easy transport of the MobileArc system. With form insert.



### Travel Bag 228028

Allows for easy transport of the MobileArc system. Over twenty separate pockets. Opening of 12 x 18.5 inches (305 x 470 mm).



### MobileArc Helmet Mount 286430

Mount for attaching mobile device to helmet.



### Ratchet-Style Headgear 770246

Enhanced support for all-day comfort.



### Fabric Headband 770249



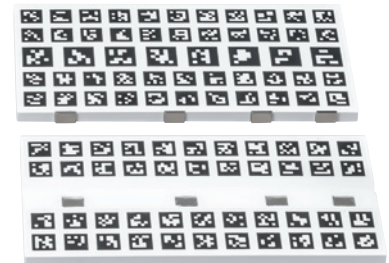
### Comfort Cushion 216336



### MIG Welding Gun with AR Nozzle 286590



### Mobile Device Gun Mount 290462



### Workpieces 288774

Includes base plate and top plate. Can be configured for t-joint, butt joint and lap joint.

# Additional Information

Visit us on YouTube for an informative MobileArc™ video:  
[https://www.youtube.com/watch?v=rJlkJtym\\_gs](https://www.youtube.com/watch?v=rJlkJtym_gs)



## Ordering Information

Equipment	Stock No.	Description	Qty.	Price
MobileArc™ System	907817	See front page for system components		
Replacement Components				
Magnifying Lenses	212238 212240	1.50 magnification 2.00 magnification		
MobileArc Transport Case	294932			
Travel Bag	228028			
MobileArc Helmet Mount	286430			
Ratchet-Style Headgear	770246			
Fabric Headband	770249			
Comfort Cushion	216336			
MIG Welding Gun with AR Nozzle	286590			
Mobile Device Gun Mount	290462			
Workpieces	288774	Includes base plate and top plate		

Date: Total Quoted Price:

### You may also like:

**AugmentedArc® Augmented Reality Welding System.** For beginner to advanced-level weld students, this system simulates multiple welding processes, blending real-world and computer-generated images into a unique, augmented reality environment. Features classroom connectivity, student history and reporting, Miller and NCCER assignments, and the ability to create assignments. See literature TS/2.0.



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