

# 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)

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

Attracting and proficiently training students on a limited budget in welding can be challenging. MobileArc offers innovative training that simulates live welding at an affordable price so students of all ages can get a feel for welding, improve their skills and make informed career decisions. Designed with ease of use and portability in mind, MobileArc allows students to learn independently, accelerating the overall learning process.



#### 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 plate and top plate)
- 1.50 magnifying lens
- 2.00 magnifying lens
- Mobile device charger
- Travel bag

**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.



System is warranted for one year, parts and labor.



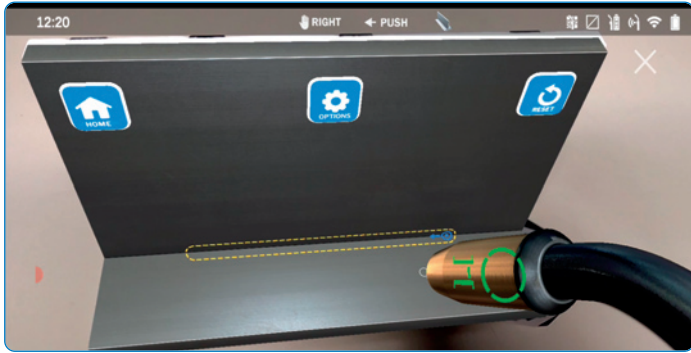
**Miller Electric Mfg. LLC**  
An ITW Welding Company  
1635 West Spencer Street  
P.O. Box 1079  
Appleton, WI 54912-1079 USA

**Equipment Sales US and Canada**  
Phone: 866-931-9730  
FAX: 800-637-2315  
International Phone: 920-735-4554  
International FAX: 920-735-4125

**MillerWelds.com**

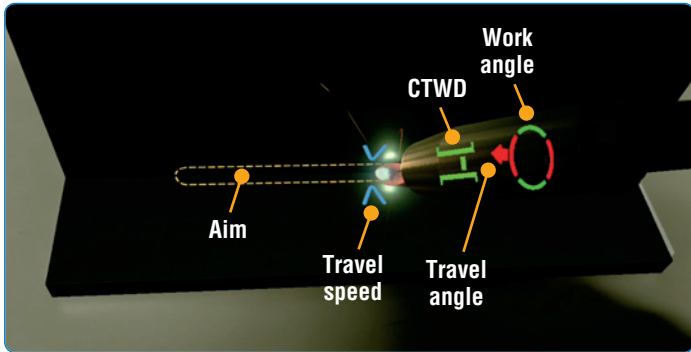


# Augmented Reality Displays



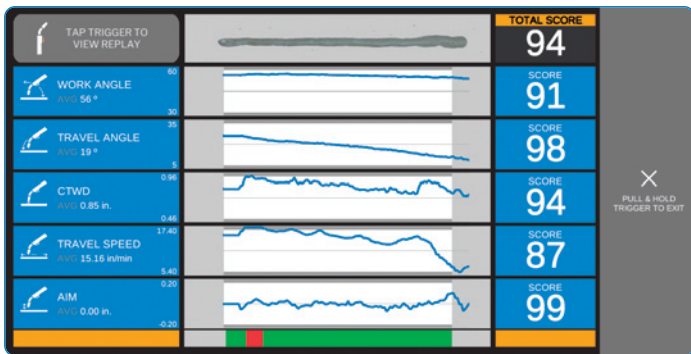
## MobileArc™ display

- 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</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.



### 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



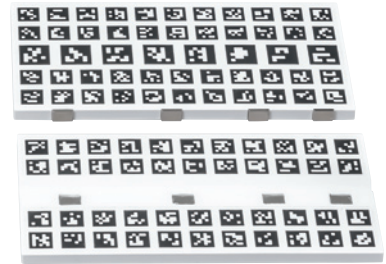
### Comfort Cushion 216336



### 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=NgHKLza0AD8>



## Ordering Information

Equipment	Stock No.	Description	Qty.	Price
<b>MobileArc™ System</b>	<b>907817</b>	See front page for system components		
<b>Replacement Components</b>				
Magnifying Lenses	212238 212240	1.50 magnification 2.00 magnification		
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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