ISSUED APRIL 2026 • INDEX NO. TS/3.0

MobileArc™

Training Solutions

Augmented Reality Welding System

QUICK SPECS

Process
MIG (GMAW)

Material Type
Steel

Joints
T-joint, butt joint, lap joint

Net Weight
6.8 lb. (3.1 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.

- **Adapts to Student Preferences**
- **Real-Time Feedback**
- **Continuous Improvement**
- **Portable, Lightweight Design**

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

TRUE BLUE® 1 YR. WARRANTY

System is warrantied for one year, parts and labor.

Miller®

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
International Phone: 920-735-4554

MillerWelds.com

Certified System™
ISO 9001 Quality

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.

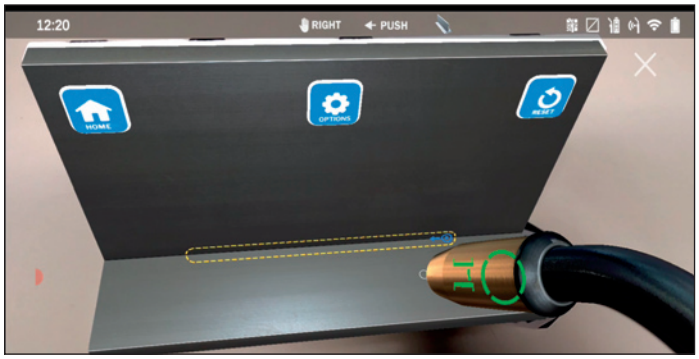
Minimize material cost by saving wire, gas and workpieces in this simulation environment, allowing students to define their welding skills before beginning live arc welding.

Specially designed helmet mount provides a fully engaging welding experience.

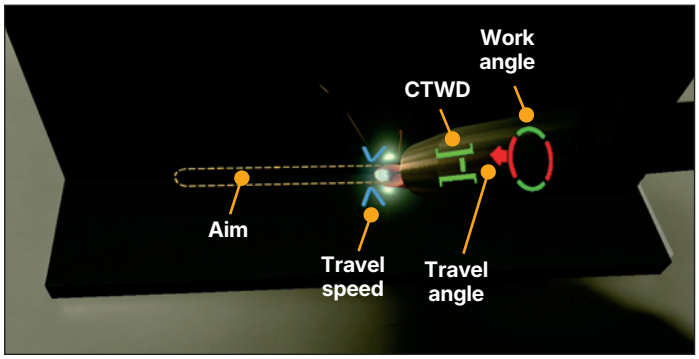
Welding gun mount allows the mobile device to be mounted to the welding gun to promote further student interaction, allowing them to share the welding experience.

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

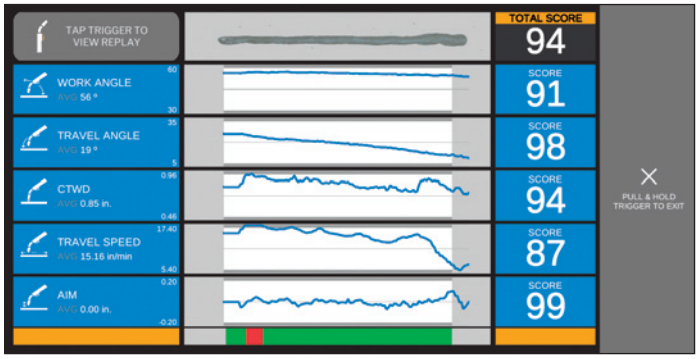
Augmented Reality Displays



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	PROCESS	WELDING POSITIONS	JOINTS	NET WEIGHT
Mobile Device (internal rechargeable battery) 3 hours of continuous simulation (will run indefinitely when powered through USB charging port) **Welding Gun (internal rechargeable battery)** 36 hours of continuous use	GMAW	2F, 1G	T-joint, butt joint, lap joint	**System with Travel Bag** 6.8 lb. (3.1 kg) **Welding Helmet with Mobile Device** 25 oz. (709 g)

Genuine Miller® Accessories and Replacement Components

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).

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 Helmet Mount 286430
Mount for attaching mobile device to helmet.

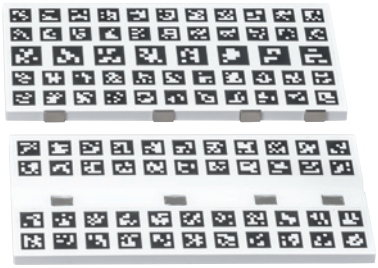
Ratchet-Style Headgear 770246
Enhanced support for all-day comfort.

Fabric Headband 770249

Comfort Cushion 216336

MIG Welding Gun with AR Nozzle 298973

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=rJIkJtym_gs

Ordering Information

EQUIPMENT	STOCK NO.	DESCRIPTION	QTY.	PRICE
MobileArc™ System	**907817**	See front page for system components		
Accessories				
MobileArc Transport Case	**294932**			
Replacement Components				
Travel Bag	**228028**			
Magnifying Lenses	**212238** **212240**	1.50 magnification 2.00 magnification		
MobileArc Helmet Mount	**286430**			
Ratchet-Style Headgear	**770246**			
Fabric Headband	**770249**			
Comfort Cushion	**216336**			
MIG Welding Gun with AR Nozzle	**298973**			
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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