LiveArc™ System
Welding Performance Management System

Quick Specs

Processes
MIG (GMAW)
Gas-shielded flux-cored (FCAW-G)
Stick (SMAW)

Welding Positions
2F–4F,
1G–4G

Joints
T-joint
Butt joint (square groove)
Lap joint
Single v-groove
Single-bevel groove

Input Power 120 V, 60 Hz

Rated Output
SmartGun: 400 A at 60% duty cycle (GMAW)
SmartStinger: 250 A at 60% duty cycle (SMAW)

The reality-based recruiting, screening, training, and re-qualification solution for industrial, manufacturing and educational markets.

BETTER TRAINING

While utilizing a live arc, the intuitive system promotes user independence and provides objective, quantitative feedback on key performance parameters.

FASTER RESULTS

Independent usage accelerates personal development. Accelerated training times put trainees in production lines faster while shorter educational periods allow trainees to focus on additional learning opportunities.

MORE COST EFFECTIVE

Trainers and educators have more time for one-on-one training while pre-weld simulation saves money on coupons and consumables. Also reduces the frequency of poor-quality welding and defects, rework and downtime.

LiveArc GMAW/FCAW system comes complete with:

- SmartGun with 15 ft. (4.6 m) cable
- Calibration tool
- Two table clamps
- C-clamp assembly
- Removable arm extension for right- and left-hand applications
- Extra Bernard consumables:
  - Five each of .035, .045 and .052 in. contact tips
  - One each of 5/8-bore 1/8-stickout, 5/8-bore 1/8-recess, and 5/8-bore flush heavy-duty nozzle

LiveArc GMAW/FCAW/SMAW system includes above plus:

- SmartStinger with 12 ft. (3.7 m) cable
- 15 ft. (4.6 m) Dinse-style cable
- Router box
- Software update for SMAW applications

LiveArc GMAW/FCAW/SMAW system shown.

TRUE BLUE® 1 YR. WARRANTY

Welder is warranted for one year, parts and labor.

Certified System
ISO 9001 Quality

LiveArc™ System Features

Powerful industrial computer at the heart of the system features solid-state technology and filterless, fanless cooling. Compatible with Miller power sources.

Motion-tracking cameras provide feedback on gun parameters and accommodate flexible coupon placement.

Touch screen monitor works with a gloved hand and features a 21.5-inch widescreen HD display.

Angles CTWD Aim

Work angle and travel angle

Welding positioning arm allows for training in out-of-position GMAW, FCAW and SMAW applications.

ArcStation™ base features a 1/2-inch reversible steel table top and ships complete with drawers, gun holder, quick-release clamps and heavy-duty casters for mobility.

SmartGun is a glove-friendly, industry-exclusive 400-amp MIG gun featuring built-in LEDs that are tracked by the system's cameras. The ergonomic soft-grip handle provides tactile vibration feedback that helps guide real-time performance adjustments, reinforcing optimal position and movement. The **OLED display** on the SmartGun provides initial visual feedback to guide proper gun positioning. Pushbuttons provide a convenient alternative to the touchscreen for navigation.

SmartStinger extends training capabilities to the SMAW process. LiveArc guides pre-weld positioning for travel and work angles via the LiveArc display.

LiveArc PC software is available for free installation on a separate PC. Data can be transferred to and from PC for reviewing student progress and managing assignments/users.

Multi-pass groove and fillet assignments designed by Miller are included along with the capability to develop customized assignments based on user applications.
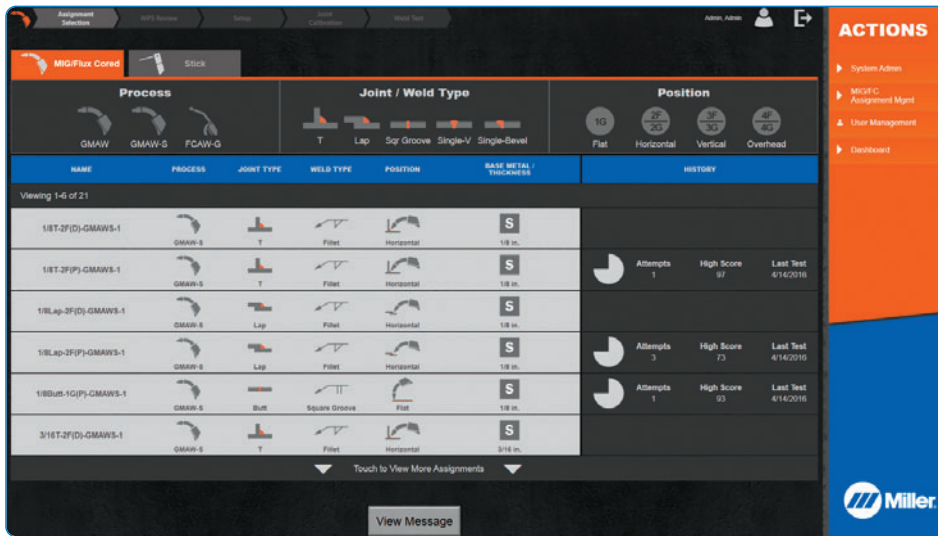
English and Spanish language options are available on all LiveArc systems.

Specifications (Subject to change without notice.)

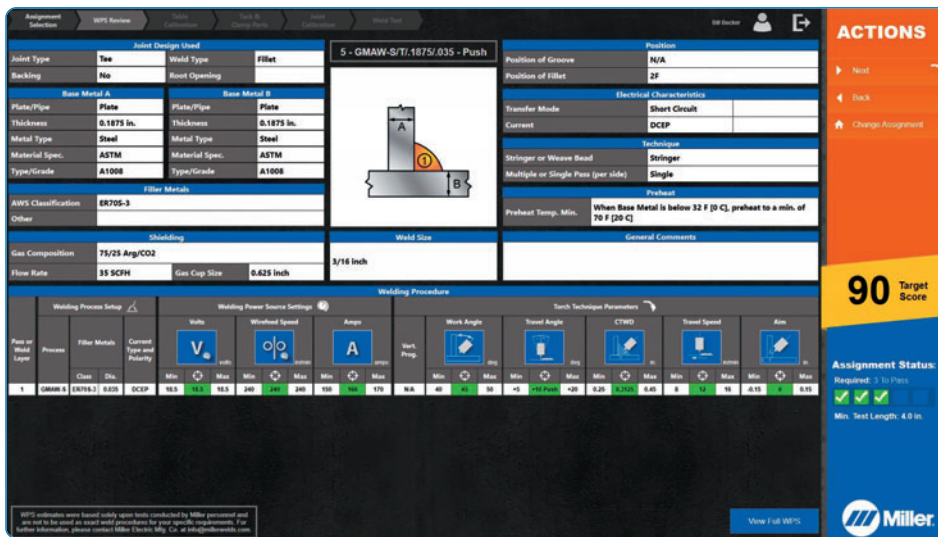| Input Power	Processes	Welding Positions	Multi-Pass	Rated Output	Electrode Diameter	Computer	Monitor	Dimensions	Net Weight
120 V, 60 Hz Compatible with Miller power sources	GMAW, GMAW-S, GMAW-P, FCAW-G, SMAW*	2F–4F, 1G–4G 2F–4F, 1G–4G	Groove and fillet up to 1 in. (25 mm) plate Limited groove applications	**SmartGun** 400 A at 60% duty cycle (mixed gases) **SmartStinger** 250 A at 60% duty cycle	**SmartGun** Up to 5/64 in. (2.0 mm) **SmartStinger** Up to 1/8 in. (3.2 mm)	Intel core i7, 128 GB SSD, fanless cooling, HDMI port supports most secondary monitors (not included)	21.5 HD LCD touch screen display	H: 77.5 in. (1,969 mm) W: 46 in. (1,168 mm) D: 31 in. (787 mm)	**GMAW/FCAW system** 480 lb. (218 kg) **GMAW/FCAW/ SMAW system** 527 lb. (239 kg)

Not compatible with Auto-DIG feature found on some Miller® power sources.

Intuitive User Interface

Assignment selection screen

- Guides the user through a range of targeted exercises
- Includes a library of assignments designed by Miller and the flexibility to configure customized assignments
- Offers assignment completion status, history summary and easy access to detailed performance history data

Welding procedure specification (WPS) screen

- Guides the user through proper selection and preparation of materials
- Provides correct power source and wire feeder settings
- Provides target values and limits for various parameters
- Assignment parameters can be configured to suit the skill level (and scoring potential) of the user
- Displays instructor-determined target score and assignment completion criteria

Post-weld feedback screen

- Data is provided following tests in both simulation and live-arc modes
- Performance feedback on various parameters is provided
- All test data is stored and allows for monitoring and evaluation

LiveArc™ Stick Upgrade Module   301391
For systems currently with GMAW/FCAW only.
Includes SmartStinger with 12 ft. (3.7 m) cable, 15 ft. (4.6 m) Dinse-style cable, router box with mounting bracket, software update for SMAW applications, easy-clean dust tray, and dual-purpose holster.

Additional Information

Visit us on YouTube for informative videos on:

What it is
https://youtu.be/9mjE9qqynMQ

Set up
https://youtu.be/VvTNOMgeFvA

ALMACO Testimonial
https://youtu.be/y1TQwIrF6B0

Ordering Information

Equipment	Stock No.	Description	Qty.	Price
LiveArc™ GMAW/FCAW System	**907714**	See front page for system components		
LiveArc™ GMAW/FCAW/SMAW System	**907714001**	See front page for system components		
Accessories				
LiveArc Stick Upgrade Module	**301391**	For systems currently with GMAW/FCAW only		

Date: **Total Quoted Price:**

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