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LiveArc™

Training Solutions

Welding Performance Management System

QUICK SPECS

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

Welding Positions
2F–4F
1G–4G

Joints
Lap joint, T-joint,
butt joint (square groove),
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)

Refine. Enhance. Inspire.

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

Comes complete with:

- SmartGun with 15 ft. (4.6 m) cable
- SmartStinger with 12 ft. (3.7 m) cable
- 15 ft. (4.6 m) Dinse-style cable
- Router box
- Calibration tool
- Two table clamps
- C-clamp assembly
- Removable arm extension for right- and left-hand applications
- Extra Bernard® consumables:
  - Five of each size contact tip (.035, .045 .052 in.)
  - One of each size 5/8-bore heavy-duty nozzle (flush, (1/8-stickout, 1/8-recess)
- Software update for SMAW applications

Quick, Valuable Learning

Intuitive Instructor Interface

Flexible Welding Positioning Arm

Advanced Motion-Tracking Technology

TRUE BLUE® 1 YR. WARRANTY

System is warrantied for one year, parts and labor.

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An ITW Welding Company
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Equipment Sales US and Canada
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International Phone: 920-735-4554

MillerWelds.com

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.

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.

LiveArc™ System Benefits

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.

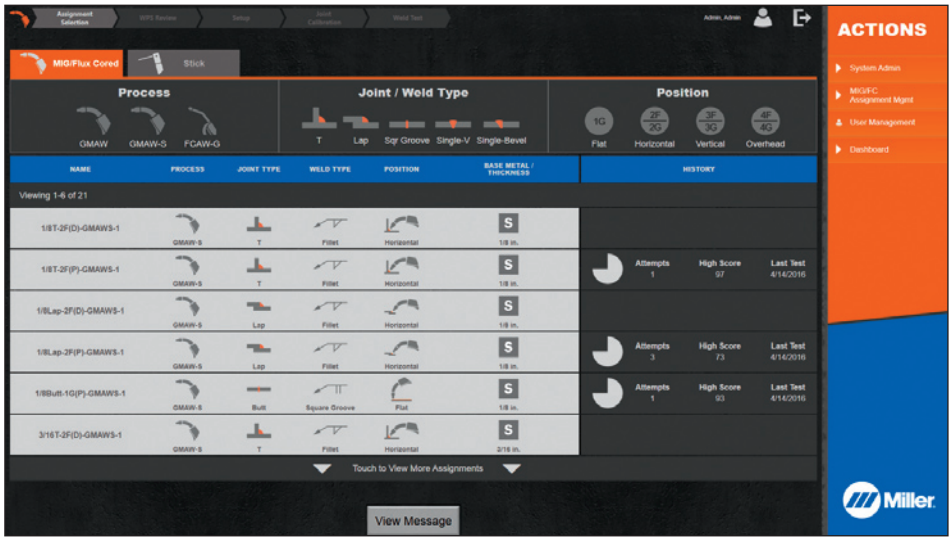
Cost effective
- Trainers and educators have more time for one-on-one training while pre-weld simulation saves money on coupons and consumables. Also reduces the frequency of poor-quality welding and defects, rework and downtime.

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	2F–4F 1G–4G	Groove and fillet up to 1 in. (25 mm) plate	**SmartGun** 400 A at 60% duty cycle (mixed gases)	**SmartGun** Up to 5/64 in. (2.0 mm)	Intel core i7, 128 GB SSD, fanless cooling, HDMI port supports most secondary monitors (not included)	21.5 in. HD LCD touch screen display	H: 77.5 in. (1,969 mm) W: 46 in. (1,168 mm) D: 31 in. (787 mm)	527 lb. (239 kg)
	SMAW*	2F–4F 1G–4G	Limited groove applications	**SmartStinger** 250 A at 60% duty cycle	**SmartStinger** Up to 1/8 in. (3.2 mm)				

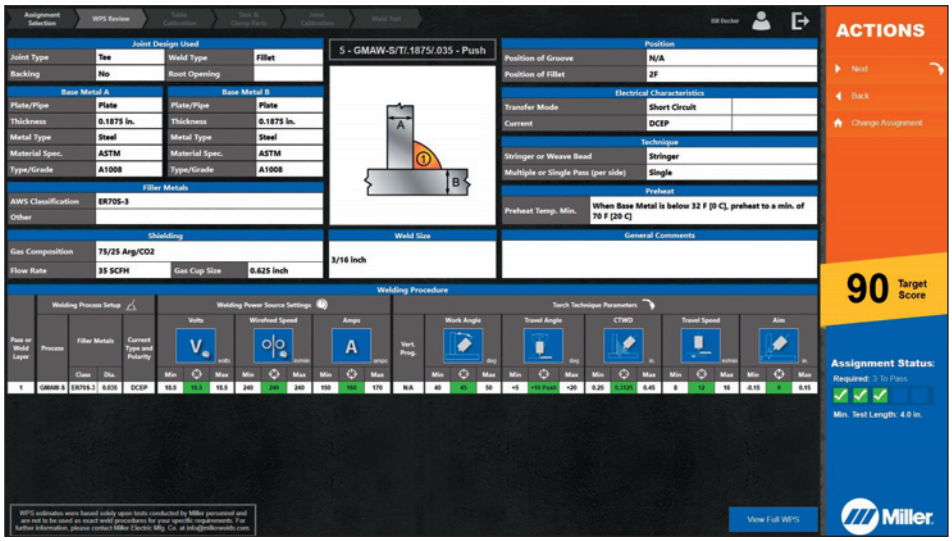
**Not compatible with Auto-DIG feature found on some Miller® power sources.*

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

Genuine Miller® Accessories and Replacement Components

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.

SmartGun 277826

SmartStinger 277824

Additional Information

Visit us on YouTube for informative videos on:

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

Set up
https://youtu.be/VvTNOMgeFvA

Ordering Information

EQUIPMENT	STOCK NO.	DESCRIPTION	QTY.	PRICE
LiveArc™ System	**907714001**	See front page for system components		
Accessories				
LiveArc Stick Upgrade Module	**301391**	For systems currently with GMAW/FCAW only		
Replacement Components				
SmartGun	**277826**			
SmartStinger	**277824**			

DATE: TOTAL QUOTED PRICE:

Distributed by:

Miller
The Power of Blue®

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