

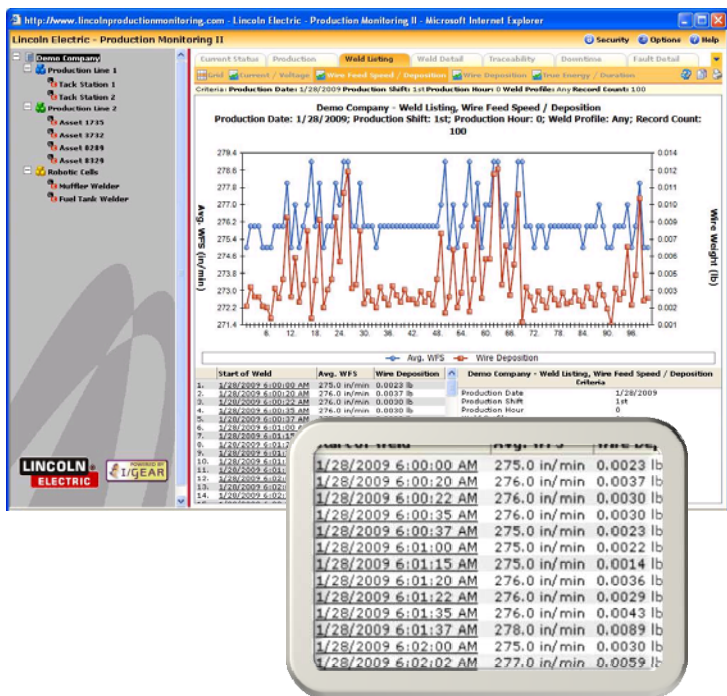
Lincoln Electric, the welding experts, has partnered with Southern Educational Systems, the training experts, to offer a unique GREEN WELDING TECHNOLOGY training system called Intelli-ARC®.

Each year millions of dollars are lost because welding programs lack the technology to demonstrate the true cost of a weld and the enormous cost of “over welding”. True costs include the obvious; labor and materials, but what about the energy consumed and the resulting environmental impact? The data acquisition technology used in the IntelliARC system clearly reveals the energy, electric and gas used to weld. Businesses can now make critical changes in procedures and techniques to create green welding

The Intelli-ARC® system is designed to complete the training cycle begun in better welding programs in education and training. All welding programs are intended to teach students to weld. Modern fabrication industries are demanding more of their welders. They are now hiring welders who can efficiently weld and still produce superior products. Cost effectiveness is the new threshold of employability.



**Advantage Intelli-ARC®**



**Product Features:**

- Collects short-term and long-term welding logs with statistical data for each recorded weld.
- Setting logical limits upon arc current, arc voltage, arc wire feed speed, and reporting welds that violate specified limits.
- Providing distinct 'weld profiles' with separate limit settings for each profile.
- E-mail functionality containing per-shift welding summaries, reports of weld errors, and other information.
- Track welding wire usage and provide low supply warning for each Power Wave.
- Installation/Set-up wizard, ability to train welding limits based on sampling
- Allows multiple networked Power Waves to be viewed at the push of a button
- Collect and store long and short term weld history
- Execute actions when out of limit
- Up to 32 weld profiles or set of repeated weld parameters
- Shift timers enable production shift reports and the evaluation of shift usage
- Automate wire usage tracking and notification
- Generate machine reports

**TECHNICAL SPECIFICATIONS**

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions W x D x H Inches (mm)	Net Weight Lbs.
Intelli-ARC®	ARC-3052	208/230/400/460/475 VAC 1/3 Phase 50/60 Hz. 110V 15 amp 60 Hz.	300A/29V/40% 250A/27V/100%	53/48/29/25/20A (1 Phase) 30/28/16/14/11A (3 Phase)	5-300A	52" x 30" x 32 ½"	450 Lbs. (est.)

Intelli-ARC® Standard Components

Industrial Cart MWT-3052



\*\*Industrial Cart, Power Wave C300, Magnum 400 Gun Package, Harris Argon Flowmeter, Production Monitoring Software, IDF Software, Environmentally Safe Controller and Monitor, Crossover Cable, Digital Card, Environmentally Safe Monitor Enclosure, Keyboard Tray, and SolidWorks are included in the Standard Components.\*\*

Intelli-ARC® Optional Components

Stick Add-On Model Number: ARC-STICK-AO

TIG Add-On Model Number: ARC-TIG-AO

Accessory Kit 150 Amp.

Foot Amptrol, PTA 17V Torch (12.5 ft, 2 pc.), Zippered Cover for 12.5 ft. Torches

Microsoft Excel - Book1

Weld ID	Start of Weld	Welder	Serial Number	Arc Time	Avg. Current	Avg. Voltage	Avg. WFS	True Energy	Status
1084453	2/19/2009 6:00	Tack Station 1	SN4513	3.9 secs	212.0 A	17.5 V	277.0 in/min	9.2 kJ	In Limits
1084454	2/19/2009 6:00	Tack Station 1	SN450	7.4 secs	210.2 A	17.3 V	277.0 in/min	9.2 kJ	In Limits
1084470	2/19/2009 6:03	Tack Station 1	SN448	0.8 secs	200.8 A	17.4 V	279.0 in/min	9.1 kJ	In Limits
1084471	2/19/2009 6:03	Tack Station 1	SN456	9.4 secs	211.7 A	16.7 V	278.0 in/min	9.2 kJ	Current High
1084519	2/19/2009 6:12	Tack Station 1	SN675	5.4 secs	203.9 A	18.0 V	278.0 in/min	9.2 kJ	Voltage High
1084529	2/19/2009 6:13	Tack Station 1	SN704	5.7 secs	204.8 A	18.1 V	278.0 in/min	9.2 kJ	In Limits
1084536	2/19/2009 6:15	Tack Station 1	SN17	2.1 secs	204.9 A	17.8 V	278.0 in/min	9.2 kJ	In Limits
1084537	2/19/2009 6:15	Tack Station 1	SN214	6.6 secs	219.8 A	18.8 V	275.0 in/min	9.3 kJ	Wire Feed Speed Low
1084564	2/19/2009 6:19	Tack Station 1	SN569	4.4 secs	200.8 A	17.7 V	278.0 in/min	9.2 kJ	In Limits
1084574	2/19/2009 6:21	Tack Station 1	SN346	6.4 secs	207.0 A	18.3 V	276.0 in/min	9.2 kJ	In Limits
1084575	2/19/2009 6:21	Tack Station 1	SN115	5.8 secs	205.2 A	18.1 V	278.0 in/min	9.2 kJ	In Limits
1084581	2/19/2009 6:22	Tack Station 1	SN652	9.8 secs	191.1 A	18.1 V	277.0 in/min	9.2 kJ	Current Low
1084582	2/19/2009 6:22	Tack Station 1	SN320	2.2 secs	218.1 A	17.8 V	279.0 in/min	9.2 kJ	In Limits

Arc Time	Avg. Current	Avg. Voltage	Avg. WFS	True Energy	Status
3.9 secs	212.0 A	17.5 V	277.0 in/min	9.2 kJ	In Limits
7.4 secs	210.2 A	17.3 V	277.0 in/min	9.2 kJ	In Limits
0.8 secs	200.8 A	17.4 V	279.0 in/min	9.1 kJ	In Limits
9.4 secs	211.7 A	16.7 V	278.0 in/min	9.2 kJ	Current High
5.4 secs	203.9 A	18.0 V	278.0 in/min	9.2 kJ	Voltage High
5.7 secs	204.8 A	18.1 V	278.0 in/min	9.2 kJ	In Limits
2.1 secs	204.9 A	17.8 V	278.0 in/min	9.2 kJ	In Limits
6.6 secs	219.8 A	18.8 V	275.0 in/min	9.3 kJ	Voltage Low Wire Feed Speed Low

Instructor and Student Benefits:

- Students will learn how to take a quick look at production activity such as time between welds and total arc hours.
- Teaches students how to increase consistency and identify problem areas by tracking production output and evaluate history data.
- Students will learn how to identify and correct errors and problems.
- Teaches students to easily manage and set tolerances data per each unique profile.
- Students will learn how to pinpoint shift problems and evaluate production cycle and output.
- Easily notify personnel of information, specific events, and potential problems.
- Students will learn to view and manage production floor equipment at a click of a button.
- Instructors have the ability to teach students using advanced processes that industry is currently using today.
- Instructors have the ability to teach students in a manner that will better prepare them for a QC, supervision, QA position in the industry.
- Teaches students how to cost welds and make the most efficient welds using cost driven procedures.

Distributed By:

Southern Educational Systems

Post Office Box 170339  
Spartanburg, South Carolina 29301  
(800) 772-7379

www.seslabs.com

www.intelli-arc.com

Contact Your Local Sales Representative:

