

# CrossLinc™ TECHNOLOGY

FULL CONTROL. FEWER CABLES.



**LINCOLN**<sup>®</sup>  
**ELECTRIC**

## CrossLinc™ Technology: Solving Site Welding Issues

Worker safety, weld quality, productivity and equipment reliability come to mind when welding on site or on large structures.

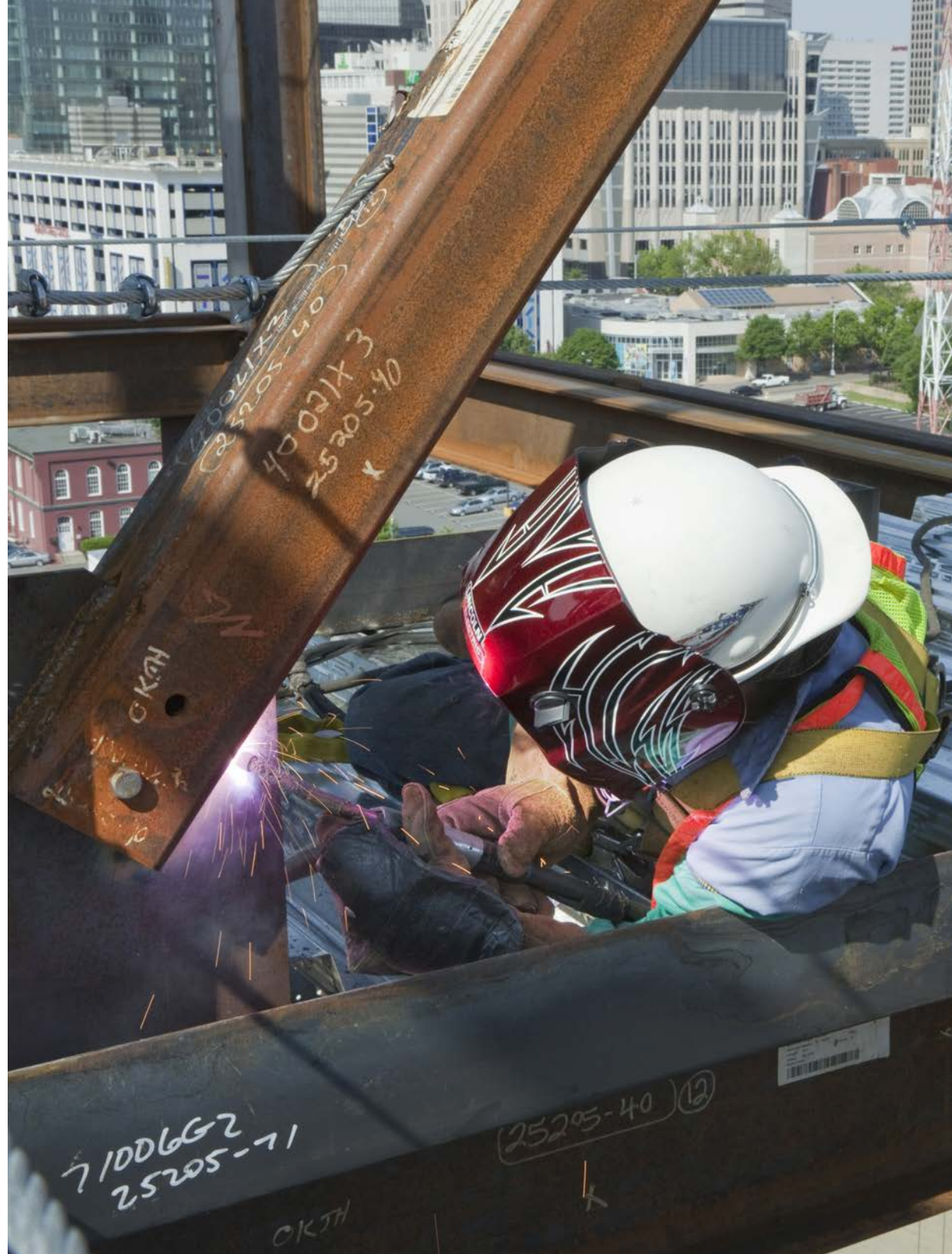
In these environments, it is typical for the operator to work closely with a rugged, compact and lightweight wire feeder, connected to a weather-resistant power source hundreds of feet away.

Until now, portable wire feeders have been available in two configurations: basic 'across-the-arc' models or portable feeders equipped with an added control cable.

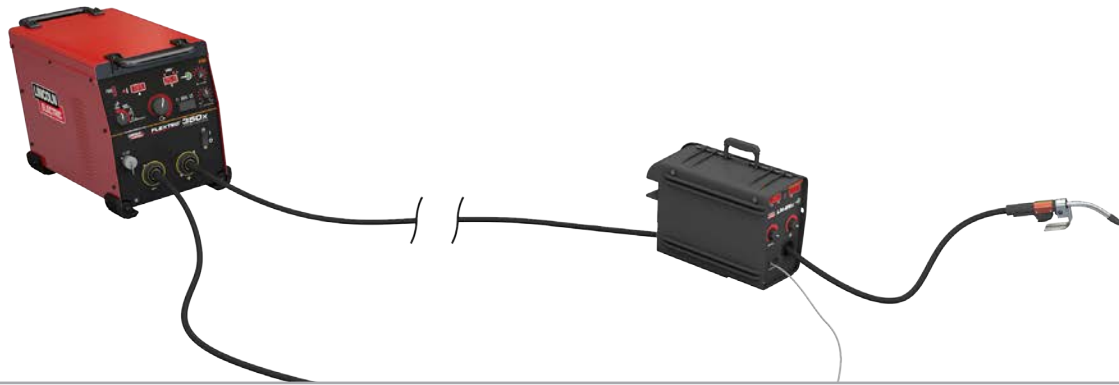
'**Across-the-arc**' models are powered by the weld cable. This configuration provides the benefit of fewer cables running back to the power source, but voltage control at the point of use is not possible.

The addition of a **control cable** to the system allows the operator to adjust voltage at the point of use, but these cables can be costly and add additional complexity to the production environment.

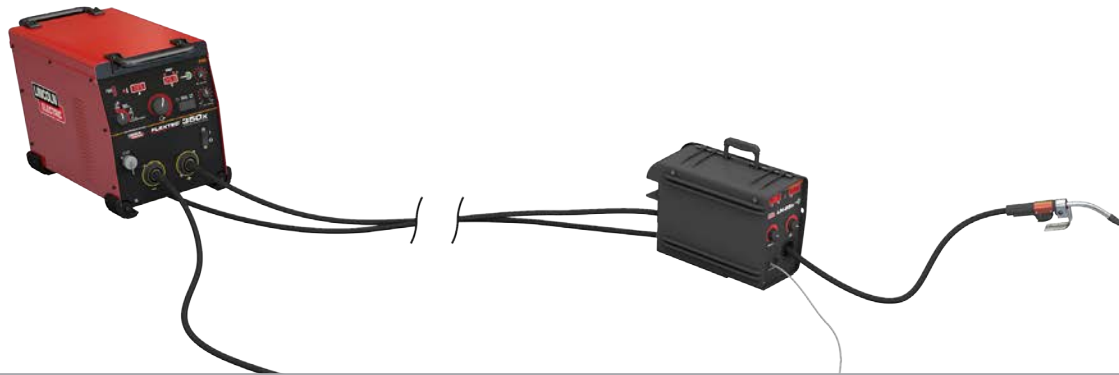
There has to be a better way.



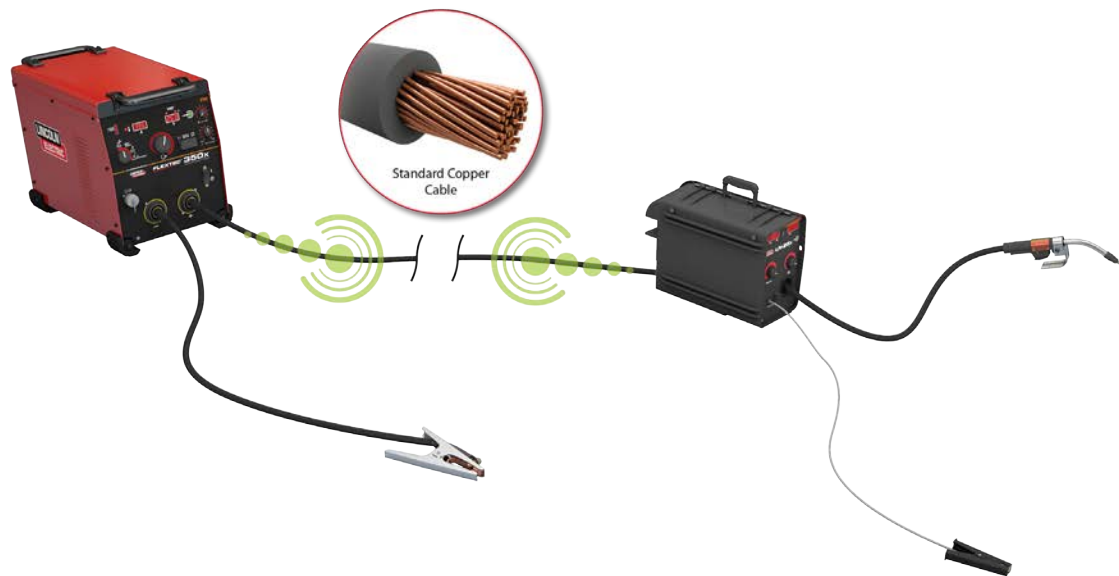
ACROSS-THE-ARC



CONTROL CABLE



CROSSLINC TECHNOLOGY



# CrossLinc Wire Feeders

CrossLinc feeders enable voltage control at the feeder, while eliminating the extra cable. The result is greater safety, quality, productivity and system reliability.

## COMPARE SOLUTIONS

### Across-the-Arc Feeders

Pros	Cons
<ul style="list-style-type: none"> <li>» Fewer cables</li> <li>» Low cost</li> <li>» Less jobsite cable clutter</li> </ul>	<ul style="list-style-type: none"> <li>» No voltage control at feeder</li> <li>» Difficult to adjust procedures</li> </ul>

### With Control Cable

Pros	Cons
<ul style="list-style-type: none"> <li>» Voltage control at feeder</li> <li>» Correct procedures for every weld</li> <li>» Easier to adjust for voltage drop</li> </ul>	<ul style="list-style-type: none"> <li>» More cables</li> <li>» More jobsite clutter</li> <li>» Greater expense</li> <li>» More difficult movement</li> </ul>

### CrossLinc Technology

Pros	Cons
<ul style="list-style-type: none"> <li>» Voltage control at feeder</li> <li>» Fewer cables</li> <li>» Less jobsite clutter</li> <li>» Correct procedures for every weld</li> <li>» Easy adjustment for voltage drop</li> <li>» Increased arc time</li> </ul>	



# INTRODUCING: CROSSLINC TECHNOLOGY

With CrossLinc, you get voltage control at the feeder without an additional control cable.

## SAFETY

Reduce the chance for injury by reducing the number of cables underfoot as well as unnecessary movement and lifting.

- » Reduce jobsite clutter by removing cumbersome control cables.
- » Eliminate unnecessary movement of personnel across the jobsite.
- » No need to drag heavy control cables around the site.



## QUALITY

Greater operator control makes it easy to meet WPS specifications.

- » Full voltage control at the feeder results in the correct settings for every weld.
- » Accurately compensate for voltage drop across long cable runs.
- » Eliminate unintentional machine adjustments by helpers or other operators.



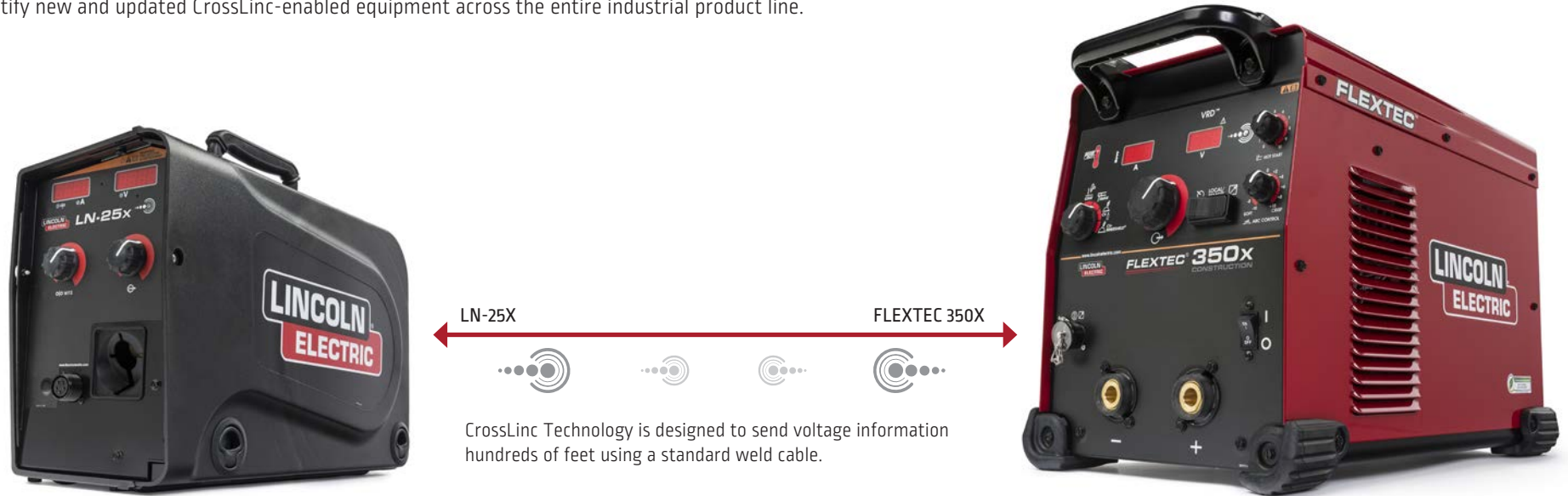
## PRODUCTIVITY

Work faster, reduce movement and minimize rework.

- » Setup faster with fewer cable connections.
- » Eliminate helpers or trips to the power source to make procedure adjustments.
- » Minimize rework with easy settings adjustments.

# CrossLinc-Enabled Equipment:

CrossLinc is available on the Flextec 350X welder and LN-25X wire feeder. Look for the **X** to identify new and updated CrossLinc-enabled equipment across the entire industrial product line.



## LN-25X

Product Number	Input Power	Output Capacity Current /Duty Cycle	Flow Meter	Wire Feed Speed Range ipm (m/min)	Wire Size Range in. (mm)			Dimensions H x W x L in (mm)	Weight lbs (kg)
					Solid	Cored	Aluminum		
K4267-1	15-110 VDC	450A/60%	Yes	50-700 (1.3-17.7)	0.023-1/16 (0.6-1.6)	0.030-5/64 (0.8-2.0)	0.035-1/16 (0.9-1.6)	15 x 8.7 x 23.2 (381 x 221 x 589)	Approx. 37 (16)

## FLEXTEC 350X

Machines	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Weight lb (kg)
Construction	K4271-1	380/460/575/3/50/60	350A/34V/60% 300A/32V/100%	26/23/18	5-425A Max OCV 80V DC	17 x 13 x 23 (477 x 356 x 673)	77 (34.9)
Standard	K4272-1						82 (37.1)

#### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.