



INCREASE DEPOSITION RATES
UP TO **100%**



HIGH DEPOSITION WELDS - FASTER. EASIER.

HYPERFILL[®]
TWIN WIRE FCAW SOLUTION

DEPOSITION RATE COMPARISON



Deposition Rate (lbs/hr)

10

0.045 in. Single Wire FCAW
with Flextec® 650X



Deposition Rate (lbs/hr)

15

0.045 in. FCAW HyperFill®
with Power Wave® S500



Deposition Rate (lbs/hr)

20

0.045 in. FCAW HyperFill®
with Power Wave® S700

100% INCREASE IN DEPOSITION RATES

222 Hours*

147 Hours*

[Saved 75 hours]

111 Hours*

[Saved 111 hours]

*Welding Time Study: Arc time required to deposit 2204 lbs of weld metal at 100% operating factor. Operating factor = [arc time / total time] * 100%

HyperFill™ Waveform Activation Capability with Power Wave® and PIPEFAB™ Systems

Your purchase of a Lincoln Power Wave Welding System comes with (i) a license to use Lincoln Electric standard Power Wave waveforms, and (ii) HyperFill waveform capability, which requires a separate license. Without the separate license, the HyperFill waveform is not available for use on these machines, and only the standard Power Wave waveforms are usable. For more information, please see the REVEAL/HyperFill Supplemental Terms and Conditions [here](#).

INTRODUCING HYPERFILL® FOR FLUX CORED ARC WELDING

HyperFill® twin-wire FCAW solution was developed to revolutionize heavy fabrication productivity. Designed for semiautomatic and robotic applications, HyperFill® FCAW redefines high deposition welding, allowing users to make larger welds easier and faster in all welding positions. HyperFill® uses an innovative twin-wire design resulting in deposition rates above 13 lbs/hr (18+ lbs/hr with robotic automation) without compromising quality or operator appeal.

- » **Maximize productivity** – Increases deposition rates compared to single wire applications.
- » **Improve weld quality** – Stable arc and smooth droplet transfer for easy weld puddle control.
- » **Simple setup** – One power source, one wire feeder, one contact tip design.
- » **Optimized penetration** – Process improves penetration profile.



**Number of weld passes are for illustrative purposes only. Use of qualified welding procedures are required to ensure proper results.*



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HYPERFILL® CAN INCREASE YOUR PRODUCTIVITY

HyperFill® will provide all users with the opportunity to achieve higher deposition rates, faster travel speeds and make bigger welds with greater ease.

MINIMAL COMPLEXITY :

- » Single power source
- » Single feeder
- » Single gun liner
- » Single contact tip
- » Single watercooler
- » Single electrical arc



Power Wave® S500 with
Power Feed® 25M



HyperFill® Power Wave® Ready-Pak®

* Image shown with Power Feed® 84 Dual Bench feeder and optional water cooler

HyperFill®

TWIN WIRE FCAW SOLUTION

Power Feed® 84 Dual feeder adds more flexibility to the HyperFill® system. Two feeders may be configured at the same time - FCAW HyperFill® one on one side, single wire process on the other side. This allows the operator to choose from either HyperFill® or different process giving ultimate flexibility and productivity.



THE LINCOLN ELECTRIC COMPANY

Founded in 1895 by John C. Lincoln, the Lincoln Electric Company is the world leader in the design, development and manufacture of arc welding products, robotic arc welding systems, plasma and oxyfuel cutting equipment and has a leading global position in the brazing and soldering alloys market. Headquartered in Cleveland, Ohio, Lincoln Electric has a global network of manufacturing, distribution, sales and technical support covering more than 160 countries.

TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed. Lincoln Electric is a responsive manufacturer, but the definition of specifications, and 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.