ULTIMATE
SAVINGS & PROFITS

INCREASE DEPOSITION RATES UP TO 100%

HyperFill®

TWIN WIRE FCAW SOLUTION

LINCOLN® ELECTRIC

HyperFill® is a licenced proprietary welding process

HyperFill® FCAW

The HyperFill® twin-wire FCAW solution was developed to revolutionise heavy fabrication productivity. Designed for semi-automatic and robotic applications, HyperFill® redefines high deposition welding – allowing you to make larger welds in all positions, faster and easily. With its innovative twin-wire design, HyperFill® allows for deposition rates above 6 kgs/hr (8+ kgs/hr robotically) without compromising weld quality or operator ease-of-use.

» Maximise productivity – Increases deposition rates over single wire applications
» Improve weld quality – Stable arc for easy control of large weld puddles
» Low system complexity – Powered by a single power source. Fed through a single wire feeder and single contact tip

Deposition Rates Comparison

*Welding Time Study:
Arc time to deposit 1000kg of
weld metal at 100% operating factor

HyperFill® is a licenced proprietary welding process of Lincoln Electric® and is sold as a welding and consumable package.

Deposition Rate (Kg/Hr)

4.5

1.2mm Single FCAW

222 Hours*

Deposition Rate (Kg/Hr)

6.8

1.2mm FCAW HyperFill®

147 Hours*

(Saved 75 hours)

Deposition Rate (Kg/Hr)

9.0

1.2mm FCAW HyperFill®

Deposition Rate (Kg/Hr)

12.0

1.4mm FCAW HyperFill®

111 Hours*

(Saved 111 hours)

83 Hours*

(Saved 139 hours)

HyperFill® FCAW can increase your productivity

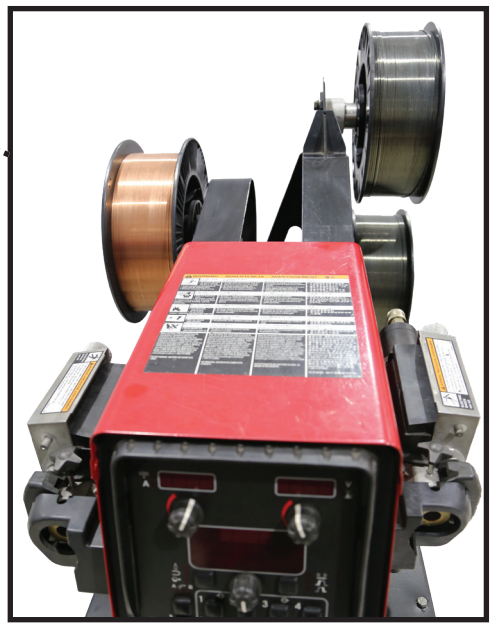
HyperFill® will provide all users with the opportunity to achieve higher deposition rates, faster travel speeds and make bigger welds with greater ease.

* Image shown includes an optional Power Wave® wireless connectivity module

HyperFill®
TWIN WIRE FCAW SOLUTION

Minimal Complexity

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



Power Feed® 84 dual feeder adds more flexibility to the HyperFill® system. Allows two different wires to be loaded e.g. load FCAW for HyperFill® and S6 MIG wire for lighter applications. Allows the operator to change from one wire to the other by simply picking up the torch and pulling the trigger. Giving you ultimate flexibility and efficient productivity.

Solution Requirements:
HyperFill® is a patented and licensed twin-wire MIG solution that is designed to perform specifically with select Lincoln Electric welding wire. The solution requires a licensed waveform which may require an additional purchase.

HyperFill® Waveform Activation Capability with Power Wave® and PIPEFAB™ Systems
Your purchase of a Lincoln Power Wave or PIPEFAB Welding System comes with (i) a license to use Lincoln Electric standard Power Wave® / PIPEFAB waveforms, and (ii) HyperFill® waveform capability, which requires the purchase of premium Lincoln Electric wire or purchase of a separate license. Unless one of these is purchased, the HyperFill® waveform will not be available for use on these machines, and only the standard Power Wave® / PIPEFAB® waveforms are usable.

Our first class application centre in Padstow, Sydney

Contact our sales team to get a demo at your nearest application centre

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CUSTOMER ASSISTANCE POLICY
Lincoln Electric® business 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. 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 this type of fabrication methods and service requirements. Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

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