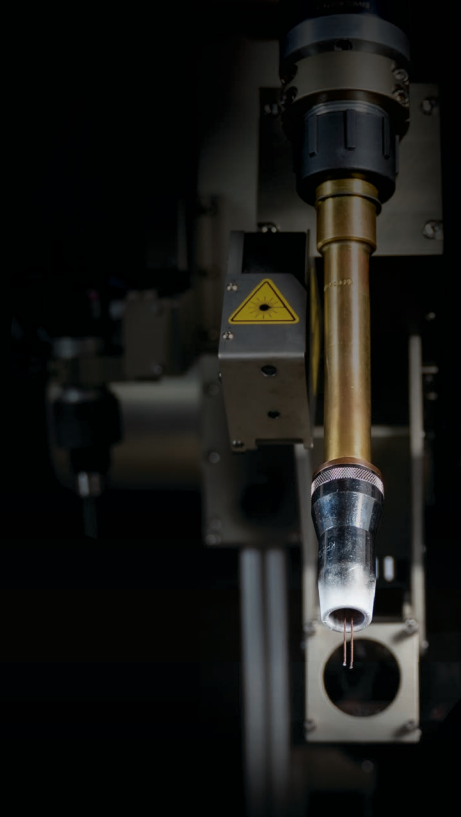
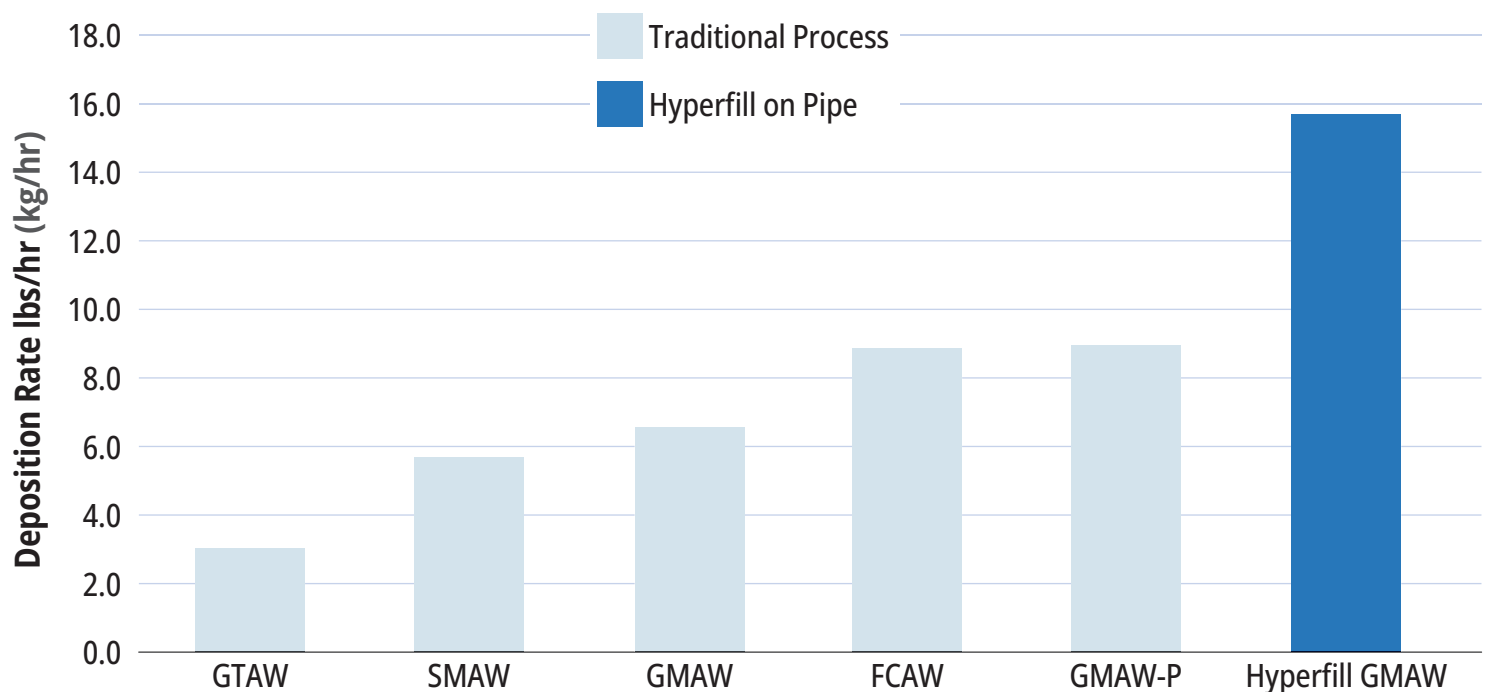




SWR™+HyperFill®

Introducing full root-to-cap HyperFill welding on Novarc's Spool Welding Robot. With the new Hyperfill twin-wire GMAW-STT root pass, SWR now delivers a complete, single process Hyperfill weld without the need to switch torches. SWR+HyperFill is a high-deposition process that utilizes Lincoln Electric's twin-wire GMAW torch to maximize heavy fabrication productivity. Designed to bridge the gap between single-wire MIG and Submerged Arc Welding (SAW), HyperFill feeds two wires through one welding arc. This innovative process significantly increases throughput, achieving deposition rates that are often two to three times faster than standard MIG welding.





What SWR™+HyperFill Will Deliver to Your Shop

Weld Hyperfill root (GMAW-STT) and fills & caps (GMAW-P) all without switching torches.

Allows larger variance in root gap on large diameter pipe, where cut may not be as consistent.

Increasing gap tolerance = reduced fit-up time.

Faster travel speeds.

Higher deposition rates than single wire MIG.

Increase Factored Diameter Inches per shift.

Why SWR+HyperFill Matters to Your Business

Reduce material handling by welding root to cap with one process.

No need to weld the root, then move to a different sub-arc station.

Streamline and simplify your production to maximize productivity and reduce costs and material handling.

Aggressively bid on new projects and increase margin on jobs you've already won.

Where Each Process Typically Lives - Pipe Welding

Process	Known Strength	Deposition Rate	Pipe Range
Submerged Arc Welding	Maximum deposition in long, continuous welds	15-25lbs/hr	16" S40+
SWR-HyperFill	High deposition with flexibility	12-16lbs/hr	8" S40+
SWR-MIG	Simplicity and works with all pipes	5-8lbs/hr	2"+

Typical Root Pass Cross Sections

GTAW



Single Wire STT®



Hyperfill® STT®



Achieve deposition rates of 15lbs/hour and higher on fill and cap passes.



Weld root to cap without switching torches.



No flux required!



Plus all the existing SWR features such as: small footprint, integration with up to 4 positioners, autonomous features such as seam tracking and height control, welding vision, NovSync™, and much more.

About Novarc Technologies

Founded in 2013, Novarc Technologies is a robotics company specializing in the design and commercialization of collaborative robots for industrial applications. Novarc's Spool Welding Robot (SWR) is the world's first of its kind in pipe welding applications. A proven pioneer in the field, Novarc has a dedicated team of robotic engineers, software developers, welders and scientists all eager to solve challenging industrial automation problems by working closely with pipe shops to improve customers' bottom line.