Polyvance® Introduces the Mini-Weld Max™ : A New Standard for Airless Plastic Welding

Premium airless plastic welder combines Integrated temperature control, purpose-designed welding tips, & all accessories you need to start welding immediately.

RAINSVILLE, AL, UNITED STATES, September 8, 2026 /EINPresswire.com/ -- Polyvance, a leading innovator in plastic repair and refinishing technology, today announced the Mini-Weld Max, an all-new premium airless plastic welder designed to provide greater control, broader material capability, and a more refined plastic welding experience.



Polyvance's Mini-Weld Max Plastic Welder

Polyvance Logo

Developed as the next generation of Polyvance's popular Mini-Weld Model 7, the Mini-Weld Max retains the simplicity and portability that make airless plastic welding so accessible while introducing an entirely new welder platform engineered for improved performance and ease of use.

Premium Airless Welding. Reengineered.

Unlike fixed-temperature airless welders, the Mini-Weld Max provides full-range temperature control up to 842°F. This allows users to adjust the welder's heat output to accommodate a broader range of plastic types, welding rods, and repair applications.

The temperature control is fully integrated into the welder handle, eliminating the need for a

separate control enclosure. The result is a cleaner, more compact design that is easier to transport, store, and operate.

“Airless welding remains one of the most approachable and affordable ways to begin making strong, permanent plastic repairs,” said John Pennycuff, Chief Revenue Officer at Polyvance. “With the Mini-Weld Max, we set out to create the best possible airless welding experience - one that gives users greater control, expands the types of plastic they can repair, and provides everything they need to complete their first repair successfully.”

A Complete Plastic Welding Kit

The Mini-Weld Max is more than a welding tool. It is a complete plastic repair system assembled to help new and experienced users begin welding immediately.

Every Mini-Weld Max includes:

Mini-Weld Max airless plastic welder

Full-range temperature control up to 850°F

Two purpose-engineered airless welding tips

A generous starter assortment of Polyvance’s most popular welding rods

Steel reinforcing mesh

Stainless steel wire brush

Custom storage and carrying case

From the welder and repair materials to the preparation and reinforcement accessories, the essential components are included in one organized kit.

Open the case. Select the appropriate welding rod. Set the temperature. Start repairing.

Repair More. Replace Less.

Plastic components are often discarded because replacement appears easier than repair. In many cases, however, properly performed plastic welding can restore the strength and functionality of the original part while avoiding replacement costs, parts-ordering delays, and unnecessary waste.

The Mini-Weld Max gives technicians, maintenance professionals, restoration specialists, hobbyists, and serious do-it-yourself users an accessible way to make durable repairs to many common thermoplastics.

It also provides an entry point into fusion plastic welding without requiring the larger investment associated with hot-air or nitrogen plastic welding equipment.

“The Mini-Weld Max fits an important space within our welder lineup,” Pennycuff said. “It brings professional-level temperature control and thoughtful product engineering to customers who need a compact, versatile system for occasional or localized plastic repairs.”

About Polyvance

Founded in 1981 and headquartered in Rainsville, AL, Polyvance is dedicated to helping people repair plastic. The company designs and manufactures plastic welding equipment, welding rods, repair materials, tools, and training solutions used across automotive collision repair and a growing range of commercial, industrial, recreational, and consumer applications.

Through continuous product innovation, education, and technical support, Polyvance helps customers reduce repair costs, avoid unnecessary replacement, and extend the useful life of damaged plastic components.

To learn more, visit Polyvance.com.

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