

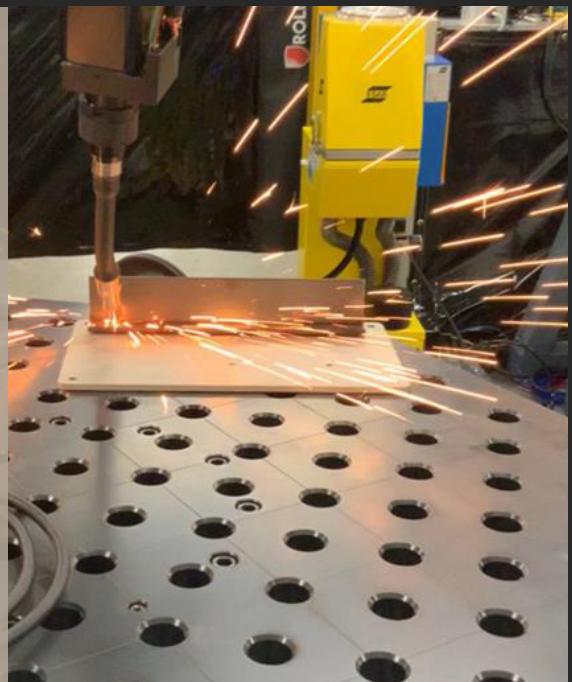
2025 YEAR IN REVIEW

A YEAR OF INNOVATION AND IMPACT



A REIMAGINING OF EWI'S LONG-STANDING MEMBERSHIP MODEL, the Cooperative Research Program (CRP) modernizes how industry engages with EWI by combining collaborative, pre-competitive research with structured access to our technical experts and resources. The CRP brings participants together around shared technical challenges and accelerates development of proprietary next-generation manufacturing solutions.

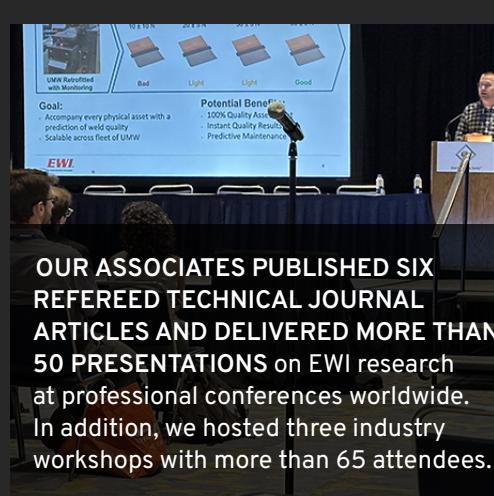
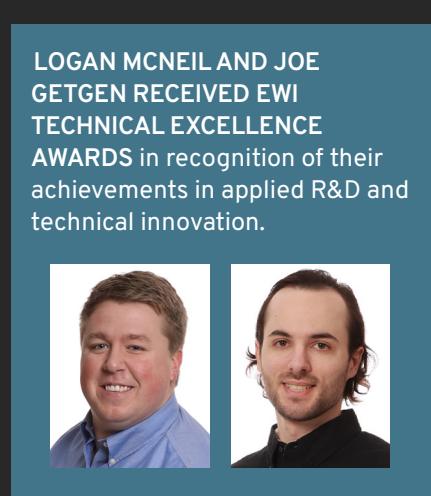
EWI CONTINUED TO ADVANCE ITS CONVERGENT MANUFACTURING CAPABILITIES to enhance our MRO offerings. Testbeds now include automated thermal spray, cold spray, arc welding, and powder laser directed energy deposition (DED) processes, along with phased array eddy current nondestructive testing for in-machine DED monitoring and a recipe sequencer for integrated digital workflows. EWI is currently developing a fully integrated convergent manufacturing cell which is planned to be commissioned in 2026.



EWI LAUNCHED A NEW PODCAST SERIES featuring six episodes that explore everything from corrosion and materials challenges to next-generation automation and industry innovation. We also hosted two webinars showcasing our plastic welding and polymer, corrosion, and environmental testing expertise, drawing more than 125 attendees.



EWI ADVANCED ELECTRON BEAM POWDER BED FUSION (EB-PBF) MANUFACTURING using the Wayland Additive Calibur3® system, which is equipped with a charge-neutralizing argon ion flood source. Successes for the year include the first-ever printing of fully dense C103 niobium alloy samples, including complex demonstration parts, and large-scale titanium alloy components, all with zero smoke events and using powder recycled over more than a dozen builds.



EWI
We Manufacture Innovation