



Accelerated innovation and expanded services to advance the manufacturing industry

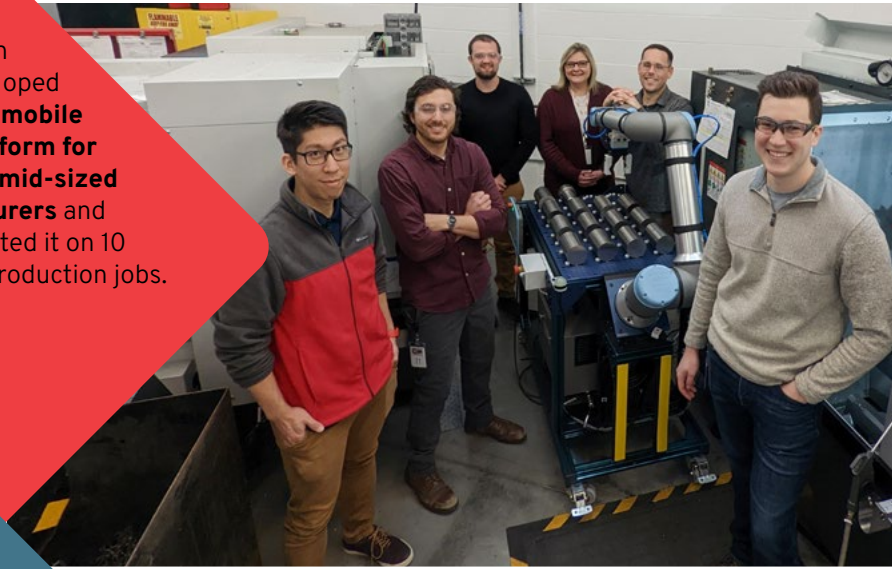
2022



EWI and the CWB Group established a strategic alliance to deliver a comprehensive set of welding services, research capabilities, and training programs at all levels of technical development.

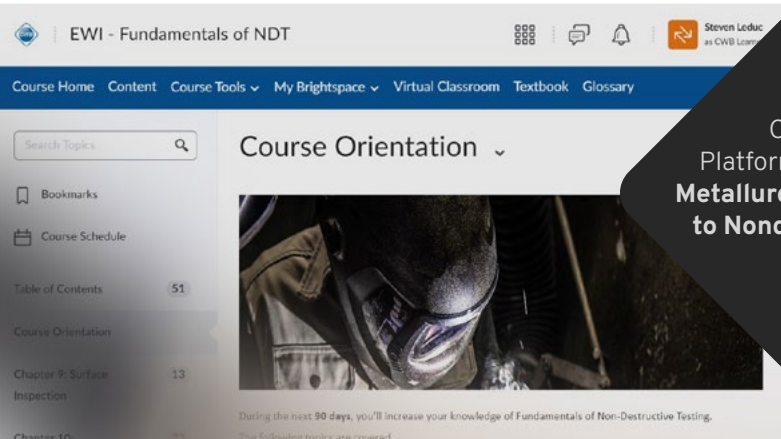


The EWI automation team developed a versatile **mobile cobot platform for small and mid-sized manufacturers** and demonstrated it on 10 different production jobs.



Building upon our patented tele-welding technology, EWI developed and validated two new long-distance applications, **tele-inspection** and **tele-gauging**.

We opened the EWI **hydrogen environment testing lab** to evaluate the effects of H₂ on new pipe materials and existing fuel distribution systems.



EWI launched brand new, self-paced training courses through the CWB Online Learning Platform including **Welding Metallurgy** and **Introduction to Nondestructive Testing**.

Jerry Gould and **Lindsey Lindamood** won the A.F. Davis Silver Medal from the AWS for their paper on capacitor discharge spot welding of aluminum. Our associates presented and/or published more than **84 technical papers**.



Buffalo Manufacturing Works, as part of the Western New York Manufacturing Cluster, won a **\$6.9 million grant** in the *Build Back Better Regional Challenge*. New programs will launch in January.

With **double-digit growth** in both commercial and government contracts, EWI delivered more advanced technology services than in any previous year.



Engineers from our cold spray center of excellence demonstrated the feasibility of a **portable, cold spray repair system** aboard a deployed Navy vessel.

With high demand for **large-scale additive manufacturing** services, EWI expanded its **robotic arc-DED lab** and broadened its capabilities throughout 2022. Additional equipment will be deployed in early 2023.

