

Matt Short

Technology Leader Ultrasonics



TECHNICAL EXPERTISE

Matt Short is renowned within the manufacturing industry for his broad expertise in the fields of power ultrasound, plastic assembly, automated system design, tool and die design, and CAD/CAM systems. He is the inventor of AcousTech™ machining, a cutting-edge ultrasonic application that can improve the performance, enhance the productivity, and extend the life of conventional metalworking equipment and tools. Matt's unique skills and experience in high-power ultrasonic systems, applications, and design have helped EWI's customers implement innovative technology and processes.

BACKGROUND AND PROJECT EXPERIENCE

Prior to joining EWI, Matt served as an engineer for a Columbus-based machine builder specializing in automated plastic assembly equipment. During that time, he was a consultant to numerous automotive suppliers assisting in analyzing, designing, and implementing solutions to manufacturing problems.

Matt's primary focus at EWI has been on the uses of power ultrasound along with the advancement of ultrasonic additive manufacturing and ultrasonic assisted machining. He has participated in multiple programs focused on the expanded uses within the aerospace, consumer products, automotive, and energy markets. His experience with multiple CAD/CAM packages, (SOLIDWORKS, CAMWorks, ProCAM, Solid Edge, and Pro/ENGINEER) has led to his involvement in several projects requiring offline programming for custom machinery.

Matt continues to be a key contributor to the field of power ultrasound with ongoing developments in tooling, equipment design, ultrasonic soldering, ultrasonic machining, and ultrasonic additive manufacturing. As an EWI Technology Leader, he is responsible for directing EWI's ultrasonics group to develop novel uses of power ultrasound to benefit manufacturing.



1250 Arthur E. Adams Dr.
Columbus OH 43221
614.688.5000
ewi.org