

MicroFoil

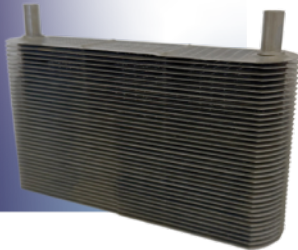
Next-Generation Lightweight Heat Exchanger Technology



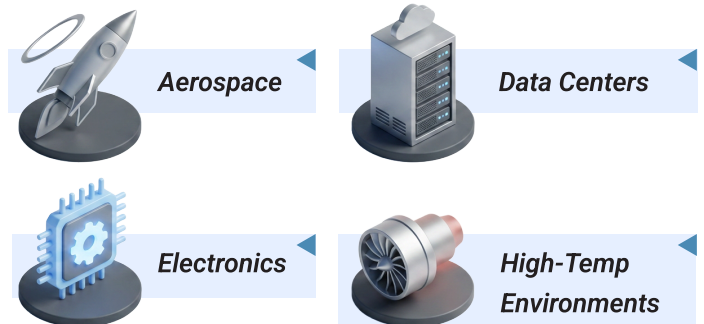
For more than 75 years, AMETEK Hughes-Treidler has been advancing heat exchanger technology for demanding aerospace applications. Building on that legacy of innovation, we are introducing a breakthrough architecture that delivers exceptional thermal performance in an ultra-lightweight design.

Lightest and Best Architecture Available

MicroFoil improves on the weight & performance of microtube heat exchangers with the manufacturing simplicity and reliability of plate-fin.



	Core Weight	Performance
MicroFoil vs Plate-Fin	-50%	+20%
MicroFoil vs Microtube	-30%	+10%

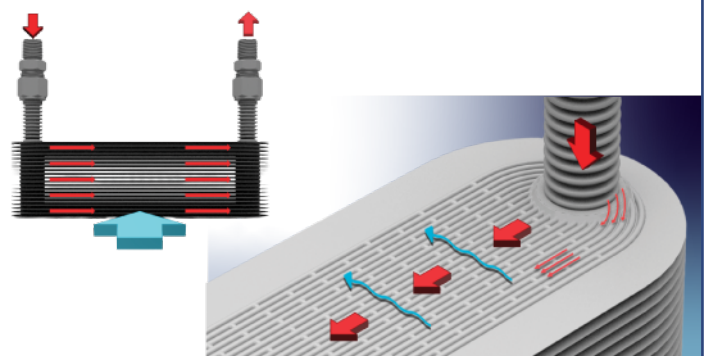


Rapid Development Timeline

Utilization of established manufacturing processes and additively manufactured tooling accelerate design and production timeframes.

Design Principles & Advantages

Our breakthrough design integrates our extensive foil and brazing experience with new, advantageous geometries to minimize complexity and weight.



Conformal Flexibility

MicroFoil units are inherently well-suited for curved and conformal spaces.

