

# The global leader in process fluid solutions for the aerospace industry.



Aerospace companies face challenges today as never before. Under growing pressure to increase productivity and throughput, reduce environmental impact, they are also dealing with new highly engineered materials creating new requirements in manufacturing processes and metalworking fluids. At this critical point in time, we are the long-term partner for manufacturers seeking to anticipate—and overcome—these challenges. We are committed to offering innovative solutions to help our aerospace customers run more efficiently today and reap the opportunities of the future.

## Applied Intelligence: The Quaker Houghton Difference

Our team of industry and technology experts work closely with your team to solve complex manufacturing challenges. In an increasingly competitive industry, we are the partner you can trust to prepare you for the future based on extensive knowledge of your unique operating environment and goals. We provide on-site expertise that maximizes quality, performance and safety.

With Quaker Houghton products and our team of industry experts, you can:

- Increase productivity and maximize your throughput due to extended tool life and reduced downtime
- Utilize new, ultra-high speed and high pressure equipment to meet your productivity goals
- Produce high quality parts made with new light weight, high strength special alloys
- Improve safety and environmental impact; reduce waste, energy and water consumption

## We Never Stop Improving. So You Can Continue to Succeed

Quaker Houghton is a partner in progress to the world's most successful aerospace companies. Whether leveraging the potential of the Internet of Things or responding to changing demand for materials, manufacturers need to constantly evolve in order to continue to grow and deliver even greater value to their customers. With research and development centers around the world, Quaker Houghton develops new products using state of the art equipment and scientific methods so that our aerospace customers can stay ahead in a changing world.



## Solutions That Optimize Performance

Quaker Houghton solutions are the aerospace industry standard, proven reliable in the most demanding environments, and earning aerospace approvals.

Our complete range of solutions includes:

- Cleaners
- Corrosion preventives
- Fire-resistant hydraulic fluids
- Forging fluids
- Industrial lubricants
- Metal forming lubricants
- Metal finishing fluids
- Metal removal fluids
- Peelable coatings
- Quenchants

## Partners in Success

**10% INCREASE IN PRODUCTIVITY:** Utilization of advanced high lubricity coolant an aerospace titanium component manufacturer was able to increase cutting speeds and feed rates with a side benefit of \$60,000 savings per machine tool.

**150% INCREASE IN TOOL LIFE:** A switch by a leading service provider for aerospace OEMs to our new coolant with its advanced lubricity package and excellent wetting properties resulted in increased tool life and reduced coolant usage.

**50% REDUCTION IN PART DEFECTS, REDUCED CYCLE TIME AND IMPROVED SURFACE FINISH:** A global manufacture of fuel systems for military and civil aircraft eliminated use of multiple coolants and associated foam, staining and biological issues by switching to a single biostable product. Fluid consumption was decreased and operator acceptance increased.

**We offer a range of services to help the world's most forward-looking aerospace companies run even more efficiently and effectively.**



QH FLUIDCARE™  
Managed Services



QH Technical  
Services



QH Engineering  
Services



QH Equipment  
Solutions

