

The global leader in process fluid solutions for the **metalworking industry.**



Metalworking companies face challenges today as never before. Under increasing pressure to reduce costs and 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 metalworking customers run more efficiently today and reap the opportunities of the future.

Applied Intelligence: The Quaker Houghton Difference

Our metalworking 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 people at work in your facility, you can:

- Lower fluid consumption with minimal drag-out, reduced usage rates and extended bath life
- Increase productivity due to extended tool life, reduced downtime and less rework
- Improve safety and environmental impact through technologically advanced fluids and reduced waste, energy and water consumption

We Never Stop Innovating. So You Can Continue to Succeed

Quaker Houghton is a partner in progress to the world's most successful metalworking 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 metalworking customers can stay ahead in a changing world.





Solutions That Optimize Performance

Quaker Houghton solutions are the metalworking industry standard, proven reliable in the most demanding environments.

Our complete range of solutions includes:

- Cleaners
- Corrosion preventives
- Die casting fluids
- Fire-resistant hydraulic fluids
- Forging fluids
- Greases
- Industrial lubricants
- Metal forming lubricants
- Metal removal fluids
- Quenchants

Partners in Success

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.

ADDITIVE ELIMINATION IN QUENCHING: A commercial heat treater switched to our robust cold quenching oil to achieve specified hardness levels and metallurgical properties without extra additives, putting an end to waste due to quench oil degradation.

\$2.3 MILLION ANNUAL SAVINGS WITH ADVANCED COOLANT: A global automobile manufacturer switched to our boron- and chlorine-free emulsifiable metalworking fluid, eradicating their calcium carbonate build-up issue and achieving a 91% reduction in lost parts.

ELIMINATING RUST ISSUES: A large forging and machining shop switched to using our all-synthetic, non-staining aqueous-based corrosion preventive, eliminating all rust issues and saving over \$100,000 annually.

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



QH FLUIDCARE™
Managed Services



QH Technical
Services



QH Engineering
Services



QH Equipment
Solutions

