



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

Die casting companies face challenges today as never before. As the use of high pressure die casting becomes more expansive, processes are becoming more efficient and part requirements are additionally complex. Operators are striving for shorter cycle times, lower die lubricant consumption, and elimination of defects. At this critical point in time, we are the long-term partner for die casting companies seeking to anticipate—and overcome—these challenges. Whatever comes next.

Applied Intelligence: The Quaker Houghton Difference

As specialists in die casting lubrication, our team of experts work closely with clients to evaluate and enhance production processes, preparing them for the future. Composition and consistency of lubricants, temperature, automation, safety, waste treatment requirements and numerous other variables are considered by our specialists, then analyzed in our testing laboratories. Stringent quality measures are an integral part of our procedures and our advanced research facilities enhance our ability to perform analytical testing.

With Quaker Houghton products and people at work in your facility, you can:

- Reduce or eliminate solder, decreasing downtime due to die maintenance, while improving part quality, and prolonging die life
- Improve environmental impact with reduced spray volumes and waste production
- Decrease defects to reduce scrap and improve efficiency

We Never Stop Improving. So You Can Continue to Succeed

Quaker Houghton is a partner in progress to the world's most successful die casting companies. Whether optimizing existing part quality or developing lightweight and more complex castings, die casters 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 recommends products and develops new fluids using state of the art equipment and rigorous quality measures so that our die casting customers can stay ahead in a changing world.





Solutions That Optimize Performance

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

Our complete range of solutions includes:

- Cleaners
- Die casting lubricants
- Fire-resistant hydraulic fluids
- Greases
- Ladle coatings
- Metal removal fluids
- Plunger lubricants
- Quenchants
- Trimming lubricants

Partners in Success

25% SPRAY TIME REDUCTION: A global manufacturer of small gasoline engines switched to our die lubricant with Smart Polymer technology resulting in bright and clean castings, improved biological resistance, and reduced spray time.

45% REDUCTION OF DIE LUBRICANT AND WATER CONSUMPTION: A leading die caster of aluminum automotive parts converted to our synthetic die lubricant which eliminated solder, decreased cycle times, and improved surface quality.

DECREASE IN BLISTERING BY 44%: A switch by a major die caster of lightweight automotive and industrial components to our Smart Polymer die lubricant technology resulted in extended die life, reduced water consumption and waste treatment costs, and decreased blistering.

SAVINGS OF 40% THROUGH REDUCED PRODUCT USAGE: A global supplier of aluminum automotive components converted to our synthetic die lubricant with Smart Polymer technology which improved uptime, reduced solder, and increased the dilution factor to lower consumption.

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



QH FLUIDCARE™
Managed Services



QH Technical
Services



QH Engineering
Services



QH Equipment
Solutions

