



TRANSPORTATION



Driving e-Mobility Forward. Together.

Fluid Solutions for Today's Innovations and Beyond





Transportation Is Evolving. Are You Evolving With It?

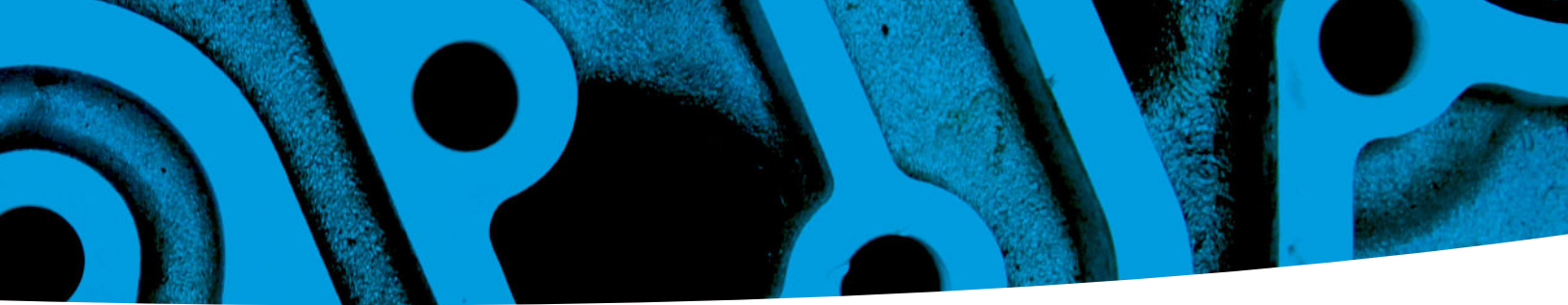
The transportation industry is in a period of unprecedented change. Demands for more efficient, sustainable modes of travel are pushing the industry beyond the internal combustion engine (ICE) toward hybrid, electric or even fuel-cell solutions. These broad shifts create exciting business opportunities for manufacturers, but they also come with significant technology challenges. The vehicles of today and tomorrow need to be lighter-weight, cleaner-running and more efficient than ever before.

OEMs and manufacturers are adapting to new materials, processes and technologies – all while managing more stringent regulations and tougher production demands. The process fluids used to meet these challenges can have as significant of an impact on productivity and efficiency as any new machine or process. Working with a forward-thinking, long-term industrial fluid partner can help lead you to success.

Driving the Future of Transportation With Quaker Houghton

Building the future of mobility requires a full range of industrial process fluids that can meet your challenges. Partnering with Quaker Houghton means access to unmatched expertise, best-in-class technology and a comprehensive portfolio to move you forward. It also means having the support of an industry leader who's committed to continuous innovation and environmental responsibility. Every day, we help customers solve their toughest industrial process challenges in nearly every arena – from passenger cars and two-wheelers to trucks and buses.





Always Innovating

Our formula for success is continuous improvement. That's why Quaker Houghton is always refining our solutions to meet the changing demands of mobility – whether it's lightweighting automotive structural or powertrain components, battery cell production, e-Motor manufacturing, or industry 4.0. For over 100 years, we've been helping our customers stay ahead of emerging trends by improving efficiency and productivity without compromising safety.

Committed to Sustainability

Quaker Houghton is guided by our core values, which is why we're dedicated to driving progress to protect our planet. To that end, we've set aggressive sustainability goals. By 2030, we aim to achieve carbon neutrality in our global operations, reduce fossil-based raw materials by 30% and eliminate 45,000 metric tons of waste at QH FLUIDCARE™ partner locations.

Leading the Industry

85%

of the top 20
transportation
OEMs partner with
Quaker Houghton

50%

of the top 100
component
manufacturers partner
with Quaker Houghton

147

locations support a
global network



Your Vision. Our Solutions.

Take your ambitions for transportation further, faster, with our comprehensive offering of cutting-edge solutions. Quaker Houghton is the partner of choice for market-leading industrial process fluids, industry 4.0 technology for fluid optimization and solutions that make the transition to e-Mobility smoother and more productive.

Our cutting-edge portfolio is designed to drive productivity, improve quality and reduce operating costs in the ever-changing dynamics of the transportation industry. That's why the largest automotive manufacturers in the world rely on Quaker Houghton as their primary supplier of industrial fluid technology.

Process Fluids



Metal Removal

An industry-leading line of metal removal fluids for superior performance with demanding materials and EV components.



Forging

A complete product offering for forging steel, stainless steel and lightweight aluminum components.



Forming

A full metal-forming fluid line that's well suited for emerging applications like e-Motors and EV battery components.



Die Casting

A unique offering of innovative products, application systems and expert services that cover traditional die casting needs and the emerging trend of giga casting.



Cleaning

Customized solutions for increasingly important cleaning applications in battery cans, transmissions and more.



Corrosion Protection

Extensive range of solvent-, oil- and water-based formulas for protecting metals from corrosion in production and storage.



Heat Treatment

A comprehensive range of oil- and water-based polymers and renewable vegetable-based quenchants for e-Motors, hybrid vehicle components, and a wide range of metals.

Advanced Solutions



Coatings

A customized line of industrial coatings for protection and cosmetic improvements of structural components.



Surface Treatment

A proven line of conversion coatings for protecting metals and pre-treatment of steel and aluminum.



Impregnation Sealants

A global market leader in porosity sealing for a wide range of applications in internal combustion engines and electric and hybrid vehicle components.

Operating Solutions



Greases

Specialty greases that dampen noise, lower friction and provide protection in fill-for-life applications.



Fire-Resistant Hydraulic Fluids

World-leading, biodegradable hydraulic fluids that prevent ignition and improve the safety of your operation.

Fluid Management Services



QH FLUIDCARE™

Improve productivity and quality while reducing risk and cost with on-site chemical management services and sustainable process solutions from the leaders in fluid management.

Industry 4.0 Solutions

QH FLUID INTELLIGENCE™



The ultimate engineered fluid optimization solution – QH FLUID INTELLIGENCE™ combines our comprehensive fluid portfolio with QH EQUIPMENT and sensor technology, QH FLUIDTREND™ software and expert engineering services to help you get the best possible performance. Reduce cycle times, boost productivity and improve safety and sustainability at the lowest total cost of ownership.

Electrify Your Progress

The future of mobility is fully electric, and it's already begun. Every year, more affordable, more advanced electric vehicles are hitting the road. To keep moving forward, you need fluid solutions that can meet the changing demands. With Quaker Houghton, you have a full range of fluid technology and application expertise to accelerate your journey to electrified success.

Supercharged Solutions for EV Batteries



Forming

Improve lubricity, release and die life when forming metal for battery cell casings with high-performance fluids.



Cleaning

Minimize process time, refills and residues in cleaning operations with fluid technology for EV prismatic and cylindrical battery cans.

Fluids to Make You a Lightweighting Heavyweight



Die Casting

Optimize die casting performance for structural and EV powertrain components with best-in-class die and plunger lubricants, including market-leading electrostatic technology and application systems.



Heat Treatment

Harden aluminum components, optimize performance and reduce total cost of ownership with the global leader in heat treatment.

Formulas for Low-Friction e-Motor Production



Metal Removal

Minimize heat buildup in machining tools and boost tool life with a comprehensive portfolio of soluble oils, semi-synthetic fluids and synthetic fluids.

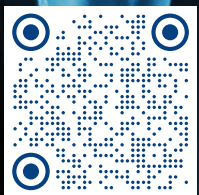
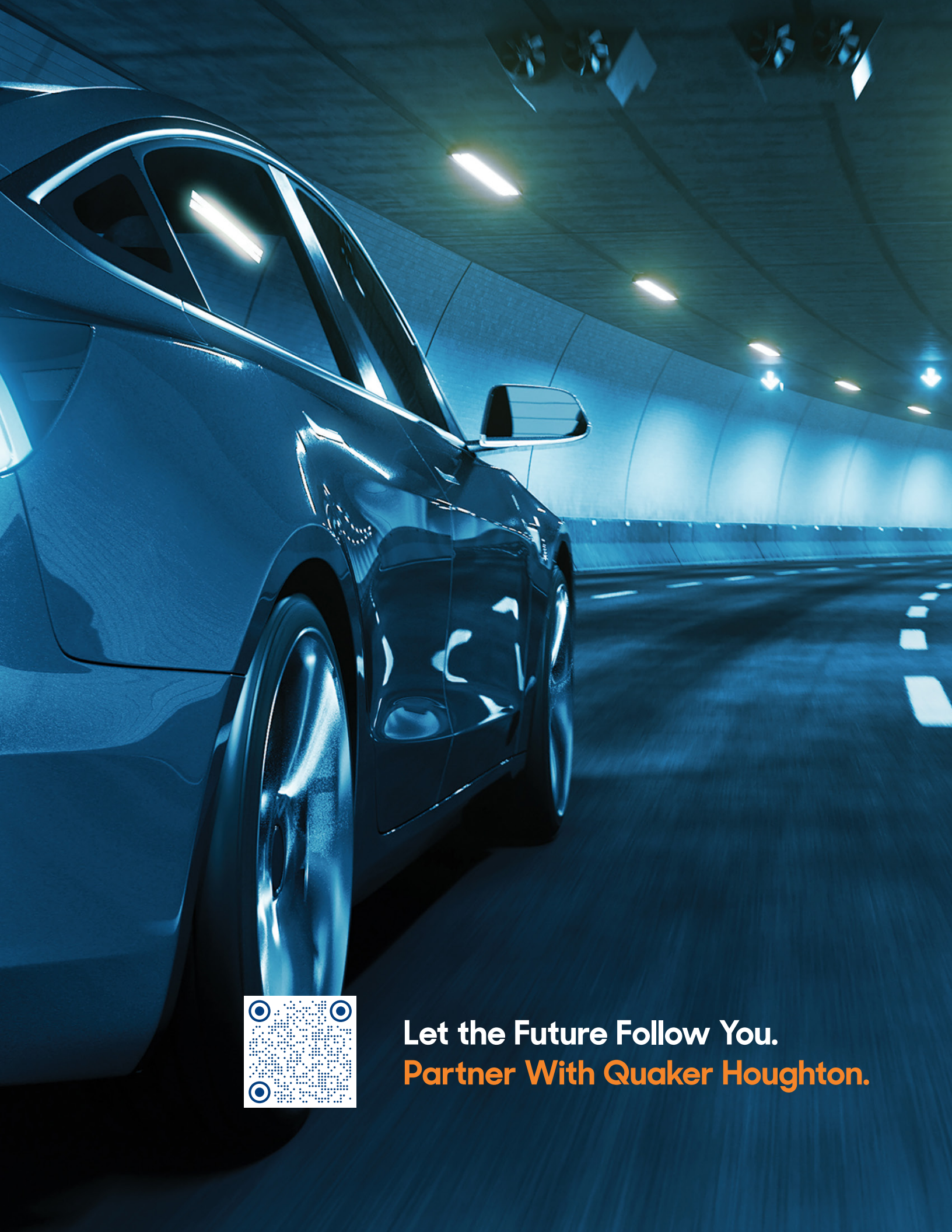


Grinding

Improve surface quality, reduce noise and vibration and boost efficiency in e-Motor shafts with a full range of high-quality, MTM-approved fluids for grinding.

Let's Go Farther. Together.

Stay ahead of what's next in transportation with the partner of choice for industrial process fluids. Innovation is core to what we do, and we combine it with application expertise and extensive industry knowledge to keep you moving forward. Together, we can optimize your process and improve your overall business through continuous improvement to meet the transportation challenges of today and tomorrow.



Let the Future Follow You.
Partner With Quaker Houghton.

Forward Together™

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