Technology + Collaboration = Innovation
History
The company was originally formed in 1989 as a limited partnership between Exxon Chemical Corporation and KT Corporation and became the first manufacturer of extruded carbon blocks. In 2007 Marmon Water LLC, a member of the Marmon Group of companies, purchased the assets of KX Industries, and renamed it KX Technologies LLC (KXT). In March 2008, Berkshire Hathaway Inc. acquired a majority interest in the Marmon Group, an international association of approximately 130 business units that operate independently within diverse business sectors.

Technology + Collaboration = Innovation
KX Technologies is a worldwide leader in custom filtration technologies and systems for water and air. While our reputation has been built on the success of KXT MATRIKX® Extruded Carbon, it is our passion to provide innovative technologies and custom-designed filtration systems through collaborative relationships with our customers.

KXT's dedication to our customers’ success, extensive history of innovation, ongoing research and development and state-of-the-art production capabilities make us the ideal filtration resource for original equipment manufacturers (OEMs) worldwide.

Our participation on international standards boards and industry associations makes us highly knowledgeable of filtration industry trends, regulatory requirements and customer demands. KXT's technical laboratories are staffed by experienced filtration scientists dedicated to working with OEM customers on new application designs and solutions, and our world-class production facilities follow established manufacturing practices focused on producing and delivering the highest quality products on time, every time.

Appliance/OEM Custom Products
KXT partners with OEMs to produce filtration solutions for custom applications. From design, prototyping and product testing through finished product delivery, KXT works with our customers to develop customized filtration solutions for their appliance and custom drinking water filtration needs.

Our technological expertise, proprietary production process and patented designs allow greater market opportunities and improved geometries resulting in exceptional structural integrity and ergonometric designs for ease of use in all applications.

Such relationships have allowed us to develop many of the technologies and systems that are today’s standards. Included among KXT’s firsts are:

- Extruded activated carbon block filters
- Refrigerator water filters with patented interface designs
- Miniature critical-health-claim water filters
- Refrigerator odor filters
- Point-of-use water filters with microbiological health claims
- Fiber Technology with high flow rate for industrial applications and food service
MATRIKX® Extruded Carbon Filters

MATRIKX® Extruded Carbon Filters are finished with pre-filtration wrap, end caps and gaskets. A wide range of standard and custom diameters and lengths are available to fit almost any filter application.

All MATRIKX® Extruded Carbon Filters are manufactured using FDA-compliant materials. Specific models are designed to meet drinking water standards (NSF/ANSI Standards 42 and 53). Extruded carbon filter elements can be used in potable water applications, as well as for industrial, food service and commercial applications.

Features & Benefits
• No release of carbon fines
• No channeling, fluidizing or bypassing
• Low pressure drop
• Composite particles — the secret to great performance
• Consistent high quality
• High Adsorbent content compared with other carbon block manufacturers

FACT® Fibrillated Adsorbent Cellulose Technology

KX Technologies’ FACT® Media is made using various adsorbents immobilized by fibrillated microfibers. The Media is produced in a wet laid process yielding an extremely uniform media, where high percentages of very small adsorbents can be immobilized efficiently.

Smaller fibers produce a larger relative pore area for a given pore size. The resulting structure gives a lower overall pressure drop and a higher dirt capacity. The distribution of microfibers and a network of fibers are ideal for immobilizing particles less than 1 micron.

Features & Benefits
• FACT® Media allows immobilization of a wide range of particle types and sizes
• FACT® Media can also be chemically treated for microbiological filtration
• The small pore size coupled with the increased surface area establishes higher kinetics for adsorption or reaction
• In addition to having faster kinetics, at a given flow rate smaller particles will have a higher kinetic capacity for adsorption
• FACT® filters can be constructed to flow under gravity or pressure conditions
• FACT® filters have high sediment capacity and longer filter life
• FACT® media is available in standard filter sizes under the MATRIKX® + HC brand
MATRIKX Microbiological Barrier®

The filter is an extruded microporous-activated carbon block with a mean flow path of one micron or less, sufficient to intercept Cryptosporidium oocytes, viruses and bacteria. The filter medium contains a microbiological high-molecular-weight polycationic interception agent, a cationic silver halide complex and a pH-altering material. The block’s capacity to intercept microbiological organisms has been greatly enhanced by being treated with a long-chain cationic polymer, which electrostatically attracts negatively charged microbes that approach its positive surface, making them irreversibly stuck and inactivated by the silver. This technology is available for custom designed OEM filtration solutions.

This proprietary chemical structure will not compromise performance capabilities of KXT carbon blocks:
- 99.9999% bacterial reduction
- 99.99% viral reduction
- 99.95% protozoan cyst reduction

This allows for a comprehensive set of claims that includes VOC, heavy metal and pharmaceutical reduction. It is the only carbon block microbiological barrier certified in California with built-in fail safe technology.

Strategic Partnerships with Customers

It is the partnerships and collaboration with our customers that define our greatest innovations in new technologies and filtration systems. KX Technologies continually develops new technologies and products for water and air filtration applications based on our customers’ needs and goals to assure success with appropriate market driven filtration solutions.

Computer modeling is used by our design engineers to reduce prototype iterations and time to market. Our internal laboratory and structural testing capabilities ensure the quality required to meet the stringent federal, state and other regulatory regulations.

Manufacturing Excellence

Our production facilities utilize world-class manufacturing practices focused on producing and delivering the highest quality products on time, every time.

Lean Manufacturing principles are used to minimize costs and provide a continuous product and process Quality Improvement focus. KX Technologies uses simplification, segmentation and focus to minimize production complexity. Fill Rate and On-Time performance measurements are monitored on a daily basis. Retail and bulk packaging is done to specification.

Manufacturing facilities are located in West Haven, CT, USA and in Singapore.
Quality Certification

All KXT products undergo extensive internal testing and are subjected to production and quality assurance programs. When required by the customer, many of our filters are tested and certified to NSF/ANSI Drinking Water Treatment Unit standards by NSF International. NSF International is an independent testing organization that evaluates and certifies drinking water products.

Furthermore, KXT works closely with Water Quality Association’s (WQA) Gold Seal to obtain product certification.

WQA is an international trade association representing the household, commercial and industrial water quality improvement industry and provides various type of certifications to encompass a wide variety of products.

KXT products meet the regulatory requirements put into place by California Proposition 65, “The Safe Drinking Water and Toxic Enforcement Act of 1986”. This Californian Act was established to enforce stringent regulations that protect the consumer from toxins and carcinogens in the water.

In addition, KXT products have met regulatory requirements in many countries around the globe including China, Brazil, Mexico, India, the United Kingdom and the European Union.

KXT manufacturing plants in both West Haven, CT, USA and Singapore have met all requirements for ISO9001:2008 certification.