

DRAFT



Discover the Power of
Custom-Engineered
Solutions

Your Industry. Your Solution.

Savillex's custom capabilities address the diverse requirements of the semiconductor, aerospace, and life sciences industries, empowering companies within these sectors to achieve enhanced performance, reliability, and efficiency in operations.



Semiconductor Industry

Savillex specializes in crafting custom parts for semiconductor companies, including equipment and component manufacturers. Tailored offerings include pump components, solution control systems, wet etching tools, custom jars and vials, digestion tubes, pressure vessels, and ported closures. Leveraging Savillex's custom capabilities enables semiconductor firms to enhance efficiency and performance in their manufacturing processes with precisely engineered solutions.



Aerospace Industry

Savillex excels in crafting custom aircraft parts using advanced fluoropolymers to meet aerospace industry demands. Ultra-pure PFA offers exceptional properties like chemical resistance, lubricity, electrical insulation, fire resistance, temperature resilience, and longevity. With expertise in injection-molded fluoropolymers, Savillex ensures tight tolerances and premium surface finishes. Solutions span fuel and hydraulic systems, lightweight equipment, and cabin accessories, enhancing aerospace operations' safety, reliability, and efficiency.



Life Sciences Industry

Savillex serves the life sciences sector by providing tailored filtration solutions, including bottles, jars, vials, filtration housings, and assemblies. Top clients benefit from bespoke offerings, optimizing water purification processes for product quality and purity. Savillex customized solutions are integral to research, pharmaceutical manufacturing, and clinical diagnostics, ensuring the highest performance and reliability standards.

Precision in Every Detail

Employing cutting-edge technologies such as ultra-clean injection molding and proprietary stretch blow molding, Savillex offers a diverse range of capabilities unmatched in the industry—with expertise extending beyond molding to include secondary operations like fluoropolymer welding and laser engraving, ensuring that every product meets the highest standards of excellence.

Maximize Benefits with Molded PFA

Discover the advantages of molded PFA or FEP over traditional compression molded and machined PTFE. Molded fluoropolymers (PFA, FEP, etc.) reduce costs, enhance functionality, and mitigate trace metal contamination.

Engineering Excellence

The Savillex commitment to excellence extends to the engineering development process. Leveraging state-of-the-art tools like SOLIDWORKS and mold fill simulations, Savillex optimizes designs for manufacturability and prevents costly rework. With over a century of combined experience in fluoropolymer materials, the Savillex team provides invaluable support at every project stage.

Unparalleled Tooling Capabilities

Experience the difference with Savillex's world-class tooling capabilities. From designing tools with minimal trace metal contamination to accommodating complex part geometries, Savillex ensures maximum precision and efficiency. Benefit from rapid response to modifications and seamless tool transfers backed by decades of expertise.

Elevate Your Manufacturing with Savillex

Explore Savillex's extensive molding capabilities, from 110- to 380-ton injection molding presses to proprietary stretch blow molding technology. Meanwhile, the Savillex commitment to environmental stewardship ensures clean, contaminant-free manufacturing processes, setting new standards for excellence.

Beyond Molding: Secondary Operations

Experience a comprehensive suite of secondary operations, including precision machining, welding, surface finishing, and assembly. Savillex's ISO Class 7 cleanroom facilities guarantee the highest cleanliness and quality assurance levels, ensuring products meet the most stringent standards.

Laser Engraving: Personalized Perfection

Savillex's in-house capabilities elevate brands by delivering legible, permanent markings with unmatched precision and durability. From logos to date codes, experience the ultimate value-add for custom parts with Savillex's seamless, one-stop engraving capability.

Innovative Fusion Welding

Unlock the potential of high-purity custom fluoropolymer assemblies with Savillex's proprietary fusion welding technology. From valves to fittings, non-contact welding techniques ensure zero contamination, meeting the rigorous demands of industries such as semiconductors and pharmaceuticals.

Revolutionary Compression Forming

Discover Savillex's breakthrough Compression Forming Technology, enabling the manufacture of thin-walled fluoropolymer tubes for various applications. Benefit from unparalleled temperature resistance, freedom from trace metals, and chemical inertness, setting new standards for performance and reliability.

Unrivalled Qualification Processes

Rest assured with Savillex's rigorous product testing and dimensional inspection protocols. From dimensional verification to leak testing to ultra-trace metals analysis, Savillex ensures that every product meets the highest standards of quality and reliability.

Experience the Savillex Advantage Today

Join leading industries worldwide in unlocking the power of custom-engineered solutions with Savillex. Contact the Savillex team today to discover how to turn your project vision into reality. Experience the difference with Savillex—where innovation meets precision.

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