



SAATI Acoustics/Consumer Electronics

Membrane, Precision Fabrics & Components for Consumer Electronics



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SAATI

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FOR THE MANY, BY THE FEW

Advancing Responsibly

Empowering Sustainable Innovation in the Acoustic and Consumer Electronics Industry

In a world defined by connectivity and precision, SAATI believes that real progress must also be responsible. The consumer electronics industry is constantly evolving — not only in terms of technology and design, but also in how it shapes the future of our planet and the lives of those who use these devices every day.

SAATI integrates **sustainability** into every layer of its operations and decisions, with a clear purpose: to engineer solutions that improve life for all, while reducing environmental impact.

From renewable energy sourcing to PFAS-free product development, SAATI works every day to be a long-term, trusted partner for consumer electronics brands seeking innovation that aligns with global sustainability goals.

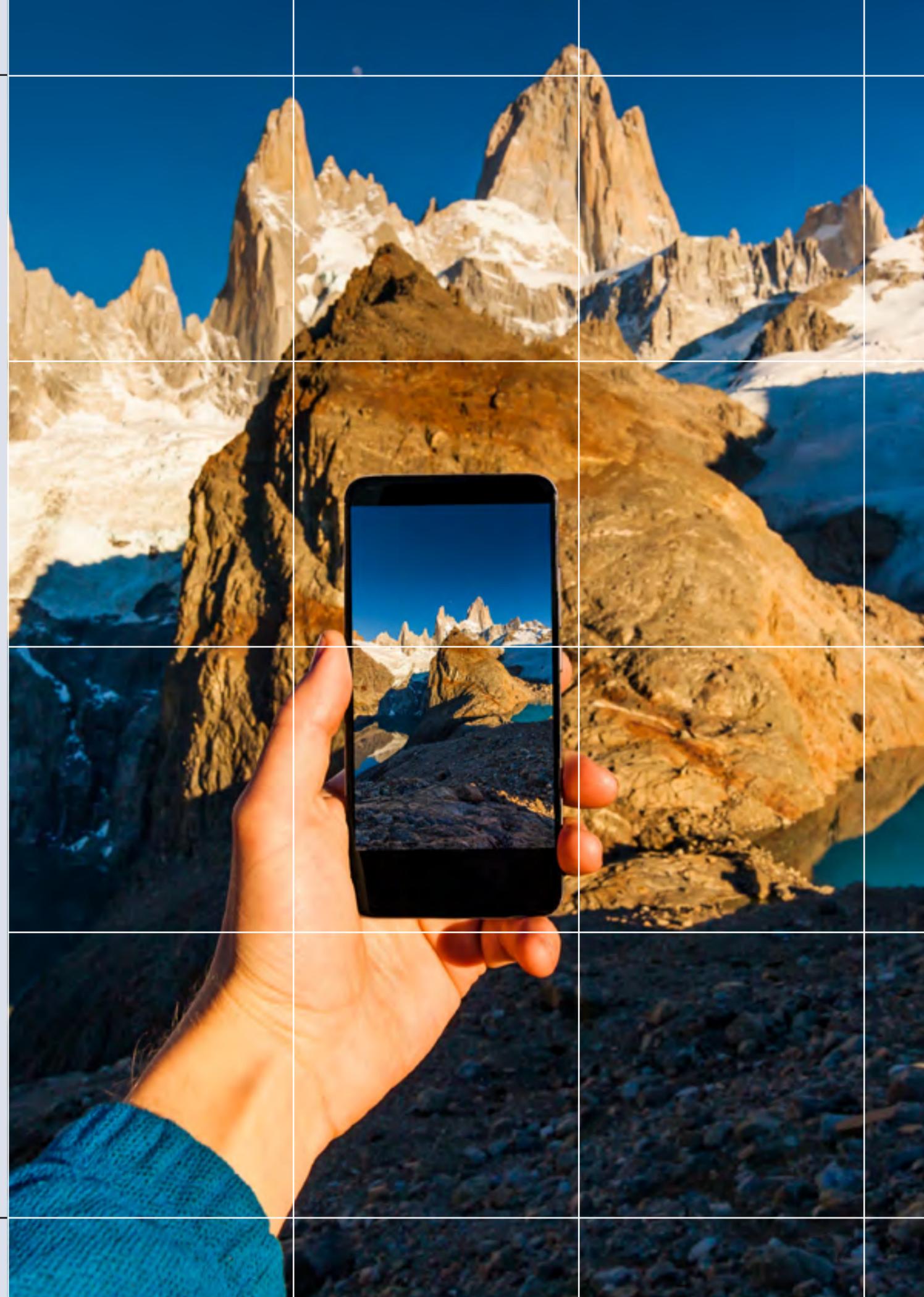
From **renewable energy sourcing to PFAS-free* product development**, SAATI works every day to be a long-term, trusted partner for automotive manufacturers seeking innovation that aligns with global sustainability goals.

Commitments in Action

- 100% of electricity used is from **renewable energy sources**
- **EcoVadis-certified** sustainability management
- Active development of **PFAS-FREE membrane and mesh options**
- Durable, efficient, and recyclable materials engineered to last
- Ongoing investment in **sustainable innovation for consumer electronics**

SAATI is committed to building ground breaking materials that not only perform — but also protect. Because true innovation moves us forward, responsibly.

* PFAS-FREE means no PFAS substances are intentionally added or declared in its components. However, trace amounts may be present due to unintentional contamination or background environment exposure.



Woven Mesh: Designed for Precision

SAATI develops high-precision monofilament woven meshes and membranes engineered for acoustic performance and environmental protection in consumer electronics. These technical fabrics are specifically designed to ensure clear audio transmission, long-term device protection, and seamless integration into compact product designs.

Used in applications such as microphone, speaker, and sensor acoustic windows, SAATI meshes deliver a unique combination of:

- **Dimensional stability** for precise acoustic tuning
- **Mechanical strength** for robust device assembly
- **Hydrophobic coating** that repels water, dust, and contaminants without compromising sound clarity

Monofilament yarns with tightly controlled diameters guarantee uniform mesh apertures, which translates into consistent air permeability, predictable frequency response, and reliable acoustic impedance.

A diverse selection of polymers supports various application needs:

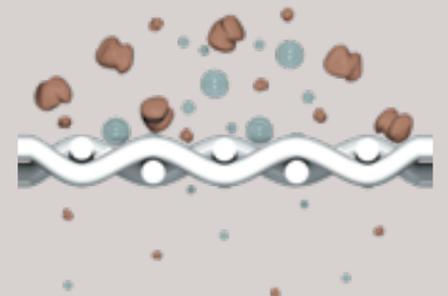
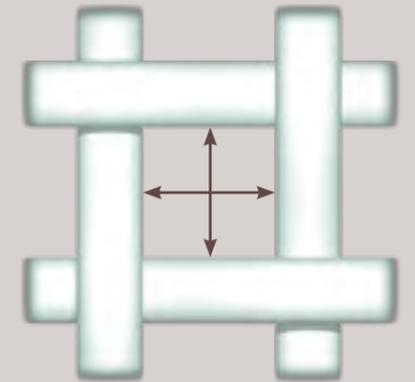
Diverse Polymer Meshes

A wide **range of polymers** meets different functional needs:

- **PET** for versatile acoustic and venting use
- **PEEK** for use in **high-temperature** and **chemically aggressive** environments, ideal in ruggedized electronics and industrial IoT

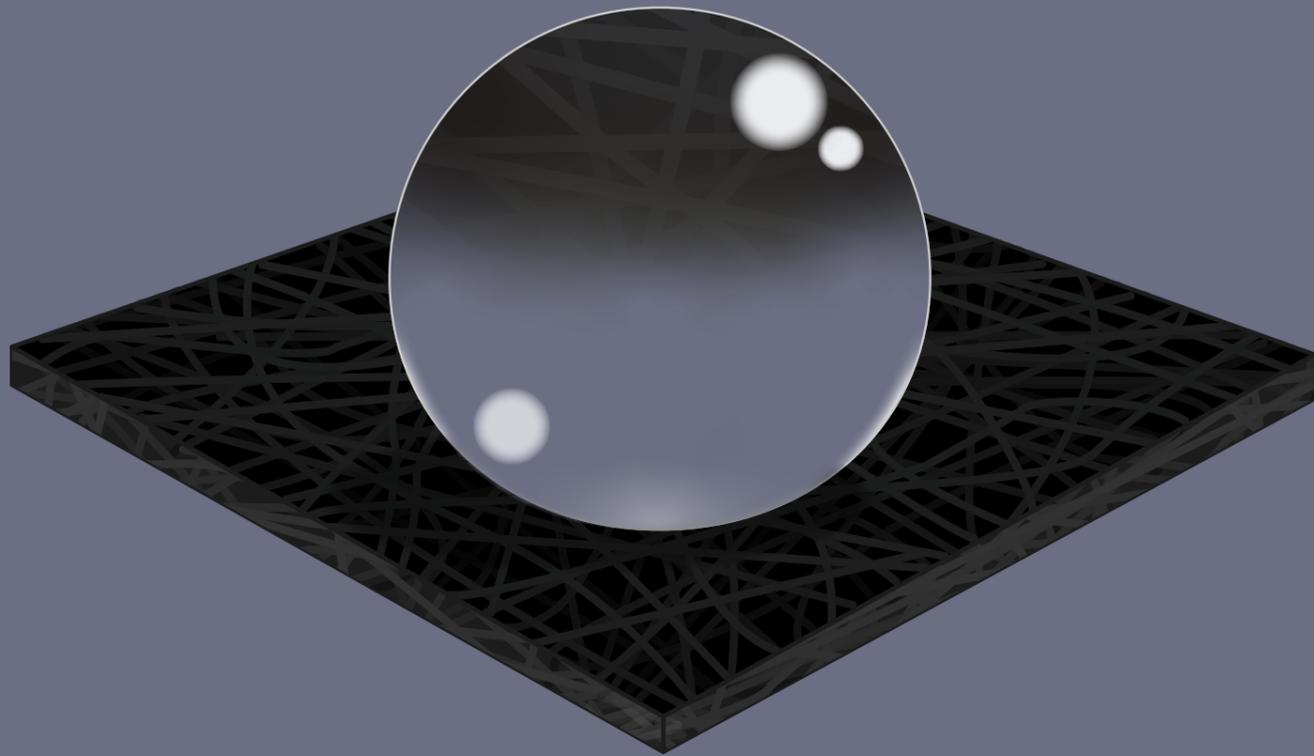
SAATI acoustic meshes are optimized for **overmolding** and **adhesive die-cutting**, offering high tenacity and thermal resistance. Their monofilament structure is **non-shedding**, ensuring cleanliness — a key factor in devices where even micro-contamination can degrade performance or cause failures.

All materials are available in **narrow rolls**. This enables efficient integration into modern assembly lines for smartphones, earbuds, wearables, and other high-performance consumer devices.



Membrane: Two Distinct Technologies

Engineered Venting for Controlled Performance

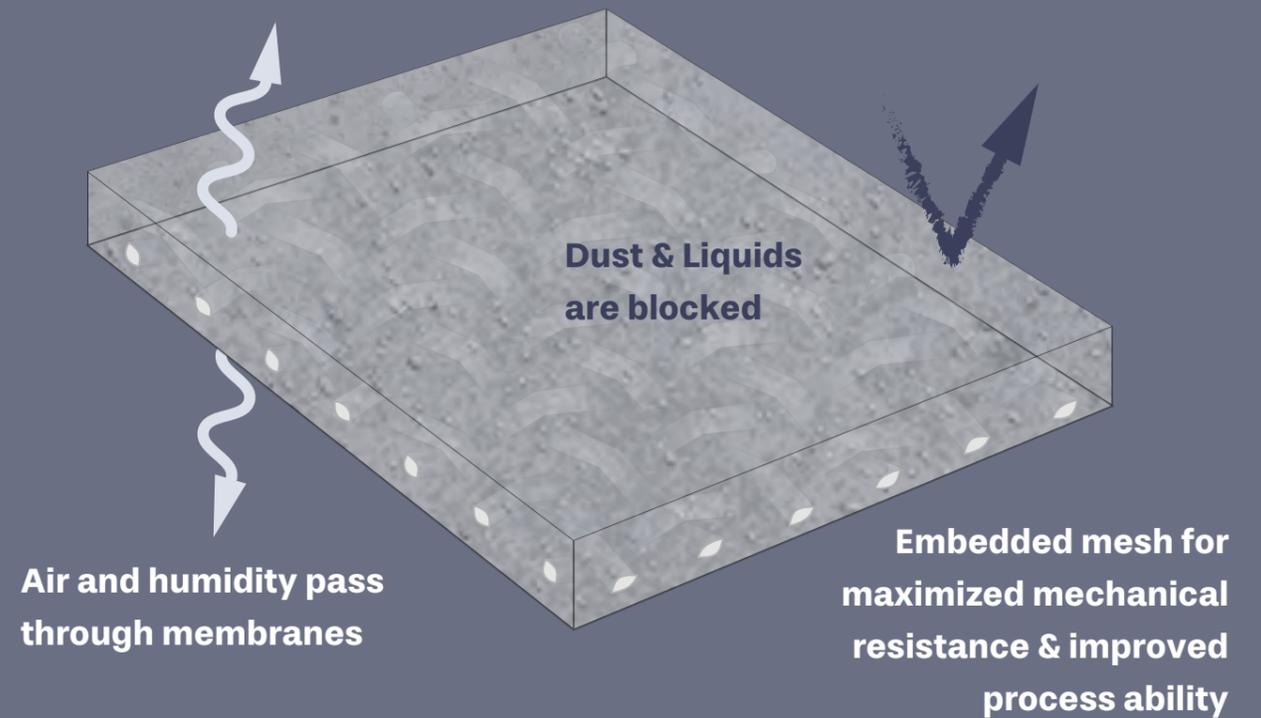


Nanofiber Membrane

Lightweight and flexible, these membranes feature a nanofiber structure that enables exceptional airflow with minimal resistance. Their fine morphology also provides effective protection from microparticles and water ingress. Ideal where acoustic transparency is required, they maintain performance without compromising physical robustness.

SAATI develops advanced venting membranes designed to provide **efficient pressure equalization** and **robust environmental protection** in sealed systems. These membranes are engineered to maintain system integrity by allowing air and gases to pass through, while **blocking liquids, dust, and other contaminants**.

Thanks to **precise material engineering** and **proprietary manufacturing**, SAATI membranes deliver a balanced combination of **high breathability, barrier efficiency, and mechanical stability**. All membranes are **PFAS-FREE**, in line with evolving environmental regulations.



Composite Membranes

Constructed by combining multiple technical layers, these membranes offer superior mechanical strength, dimensional stability, and enhanced chemical resistance. Their structure allows for consistent performance in environments subject to mechanical stress, temperature variation, or aggressive fluid exposure.

SAATI is committed to building materials that not only perform but also protect. Because true innovation moves us forward, responsibly.

Brands

SAATlvent

The Master of Balance in Sealed Systems

SAATlvent is the **master of balance**, guiding pressure, airflow, and protection in perfect harmony — like a skilled conductor leading a high-precision orchestra.

Engineered to navigate the fine line between ventilation and sealing, SAATlvent membranes ensure stable performance, long-term reliability, and system integrity under dynamic environmental conditions.

With a clear commitment to **sustainability**, every SAATlvent membrane is **PFAS-FREE**, offering high-end technical performance while aligning with the latest environmental standards.

Designed for **venting, equalization, and protection** in electronic and electrical systems, SAATlvent is the trusted partner wherever control and precision matter most

Key Benefits

- High breathability with liquid and particle barrier
- Ensures pressure equalization in sealed components
- PFAS-FREE and compliant with global sustainability goals

SAATIfil Acoustex

Engineered for Connection Through Sound

SAATIfil Acoustex is the connection between technology and perception, empowering designers to craft clear, immersive, and resilient acoustic experiences.

More than a mesh, Acoustex is a precision-engineered fabric that enables sound to flow freely — while silently protecting what matters. It is the invisible interface between speakers and listeners, microphones and commands, vehicles and their passengers.

Built on SAATI's decades of expertise in technical weaving, SAATIfil Acoustex delivers the perfect balance between acoustic transparency and environmental resistance, helping manufacturers develop components that not only sound exceptional, but also last.

In a world where vehicles speak, listen, and interact, Acoustex ensures that every connection is crisp, clean, and reliable.

Key Benefits

- Tuned acoustic transparency for optimal sound transmission
- Protection from water, dust, and mechanical stress
- Designed for integration in speakers, microphones, and smart systems
- Lightweight, stable, and built for durability in automotive environments



Outdoor Devices

Where SAATI Media Work

Click to view the application



Smartphone & Tablets

MEMS

Wearables

Loudspeakers

Smartphone & Tablets

Suggested Items

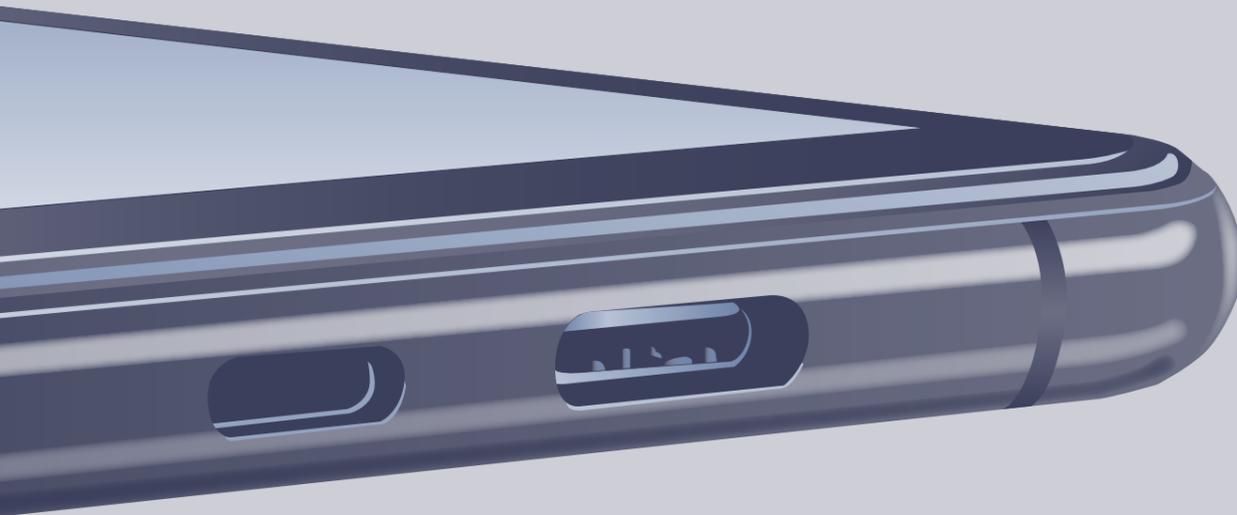
SAATIfil Acoustex | SAATivent NM/PR

Clear Sound. Complete Protection.

As mobile devices become more advanced and more compact, users expect them to deliver **crystal-clear sound**, **seamless voice interaction**, and **resistance to accidental water exposure** — all in sleek, sealed designs.

From smartphone microphones to tablet speakers and laptop enclosures, every component must withstand **pressure fluctuations**, **humidity**, **liquid spills**, and **dust intrusion**, without compromising audio fidelity. In this context, acoustic components must guarantee **linear sound transmission**, **stable impedance**, and **minimal insertion loss**, even across a broad frequency spectrum.

SAATI provides advanced **venting and acoustic filtering solutions** tailored for the demanding performance standards of modern consumer electronics.



SAATIfil Acoustex Woven Meshes: Precision-Engineered Fabric for Microphones and Speakers

SAATIfil Acoustex meshes are woven from ultra-fine PET monofilaments, offering a textile structure specifically optimized for audio applications. These meshes deliver uniform airflow, low acoustic resistance, and excellent mechanical durability — making them ideal for protecting microphones and internal speakers in smartphones and tablets.

Key Benefits

- Engineered fabric structure for **controlled sound transmission**
- **Excellent breathability** for consistent airflow and acoustic performance
- **Durable**, non-shedding monofilament yarns
- Optimized for adhesive die-cutting, insert molding and automated assembly
- Available in custom ribbons for direct integration

SAATI acoustic materials allow manufacturers of smartphones, tablets, and laptops to achieve the perfect balance between audio performance and environmental protection, supporting the development of reliable and acoustically optimized consumer devices.

SAATivent NM & PR Membranes: Best-in-Class Protection for Acoustic Vents & Pressure Equalization

SAATivent NM membranes are specifically designed to deliver outstanding **sound clarity** while maintaining **IP-rated** environmental protection. Ideal for speakers, microphones & vents, they enable clear audio transmission & pressure equalization even in compact, sealed device housings.

These membranes combine high airflow permeability with a hydrophobic, PFAS-free barrier, ensuring protection from water, dust, and other contaminants — without distorting sound quality.

Key Benefits

- **Minimal acoustic loss** across a wide frequency range with SAATivent NM
- **Hydrophobic barrier** for water and splash resistance (IP67/IP68)
- Efficient pressure equalization in sealed enclosures with SAATivent PR
- Thin, flexible, and **integration-ready** for compact modules
- **PFAS-free** and sustainability-compliant

Wearables

High-Performance Materials for Earbuds, Smartwatches, and Fitness Trackers

Wearable devices demand a delicate balance between durability, miniaturization, and high-quality sound performance — all within enclosures exposed to sweat, rain, dust, and daily physical stress. Whether in smartwatches, wireless earbuds, fitness trackers, or portable health monitors, components must remain sealed and protected without compromising audio transmission or device responsiveness.

SAATI offers advanced **acoustic fabrics** and **venting membranes** that combine **environmental protection**, **mechanical stability**, and **acoustic tuning** capabilities, making them ideal for the rigorous requirements of next-generation wearables.

SAATIfil Acoustex Woven Meshes - Optimized Fabric Protection for Compact Acoustic Openings

SAATIfil Acoustex meshes are precision-woven using PET monofilaments and tailored for the **microscale architecture of wearable devices**. These technical fabrics ensure consistent airflow, reduced acoustic resistance, and robust protection for microphones and internal speakers, while maintaining a slim profile compatible with compact designs.

Key Benefits

- Engineered textile construction for stable and predictable sound transmission
- High breathability for optimized acoustic performance
- Available in narrow ribbons for earbuds and smart devices



SAATivent NM Membranes - Acoustic Vents with Best-in-Class Protection

SAATivent NM membranes provide **exceptional sound clarity** and **IP-rated barrier protection**, tailored for speaker and microphone vents in **wireless earbuds**, **smart glasses**, and **health wearables**. These membranes combine a **hydrophobic barrier** with **high acoustic transparency**, supporting uninterrupted performance in everyday and outdoor environments.

Key Benefits

- Minimal insertion loss and linear acoustic response
- **IP67/IP68** protection from water, sweat, and environmental debris
- **PFAS-free** and aligned with global environmental compliance

SAATivent PR Membranes - Smart Venting for Pressure Equalization and Environmental Shielding

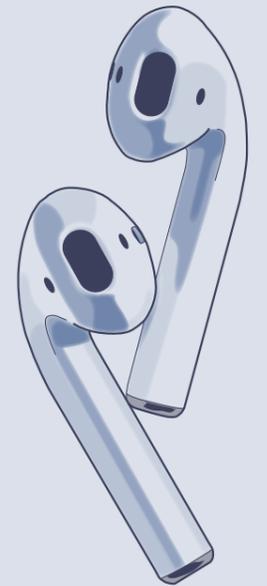
SAATivent PR membranes are designed to provide reliable venting performance in wearable electronics. Ideal for applications such as smartwatches, wireless earbuds, and portable smart sensors, they allow for consistent airflow while preventing the ingress of water, dust, and airborne particles — preserving device longevity and functionality.

Key Benefits

- Efficient **pressure equalization** in sealed enclosures
- High **resistance to water** and microparticles
- **Durable** construction for prolonged use in variable conditions

Suggested Items

SAATIfil Acoustex | SAATivent NM/PR



Loudspeakers

Suggested Items

SAATIfil Acoustex | SAATivent NM/PR

Acoustic Clarity. Proven Protection.

Engineered Materials for Loudspeakers and Smart Audio Systems

In the evolving world of consumer audio, loudspeakers must offer not only **superior sound performance**, but also **long-term durability** against environmental exposure. Whether used in **smart speakers, Bluetooth speakers, home audio systems**, or **voice assistant devices**, acoustic components are increasingly integrated into compact, sealed enclosures exposed to **moisture, dust, and mechanical wear**.

SAATI provides advanced **technical fabrics and membranes** that combine **protection from external contaminants** with **uncompromised acoustic transparency**, allowing audio product designers to deliver **high-fidelity sound** in robust, stylish enclosures.

SAATIfil Acoustex Woven Meshes - Precision Acoustic Fabrics for Speaker Protection

SAATIfil Acoustex meshes are monofilament PET fabrics specifically developed for **speaker grille and diaphragm protection**. Engineered with optimized textile architecture, these meshes provide a consistent barrier against particles and liquid splashes, while preserving air permeability and acoustic flow.

Ideal for integration in **smart speakers, soundbars, and portable wireless speakers**, they support **precise acoustic tuning** and ensure product reliability over time.

Key Benefits

- Uniform airflow for consistent sound transmission
- Robust protection against dust, debris, and accidental spills
- Available in ribbons for integration
- Color customisation to enhance identity & branding



SAATivent NM Membranes - Acoustic Vents for Sealed Loudspeaker Enclosures

SAATivent NM membranes deliver **exceptional sound clarity** and **IP-rated barrier performance**, making them ideal for **sealed speaker units** and water-resistant audio devices. These membranes enable controlled airflow and minimal acoustic loss, even when integrated into compact or complex housing designs.

Perfect for applications in **Bluetooth speakers, portable audio, or multi-room smart systems**, SAATivent NM ensures that device enclosures remain protected without sacrificing sound fidelity.

Key Benefits

- Minimal insertion loss and linear acoustic response
- IP67/IP68 protection from water, sweat, and environmental debris
- PFAS-free and aligned with global environmental compliance

SAATivent PR Membranes - Protective Venting for Speaker System Stability

SAATivent PR membranes are engineered for **venting applications in loudspeakers**, enabling reliable **pressure equalization** while preventing the ingress of water, dust, and other environmental contaminants. These membranes are particularly effective in **smart audio products, home assistant speakers, and weather-resistant outdoor systems**.

They help preserve acoustic performance and structural integrity, especially in designs where pressure variations can lead to distortion or enclosure fatigue.

Key Benefits

- Efficient pressure equalization in sealed enclosures
- High resistance to water and microparticles
- Durable construction for prolonged use in variable conditions

With SAATI materials, loudspeaker manufacturers can confidently design **durable, high-performance audio products** that meet user expectations for **sound clarity, environmental resistance, and aesthetic flexibility** — from premium home systems to rugged outdoor smart speakers.

MEMS

Suggested Items

SAATIfil Acoustex HT | SAATivent M

Reliable Protection for MEMS Microphones

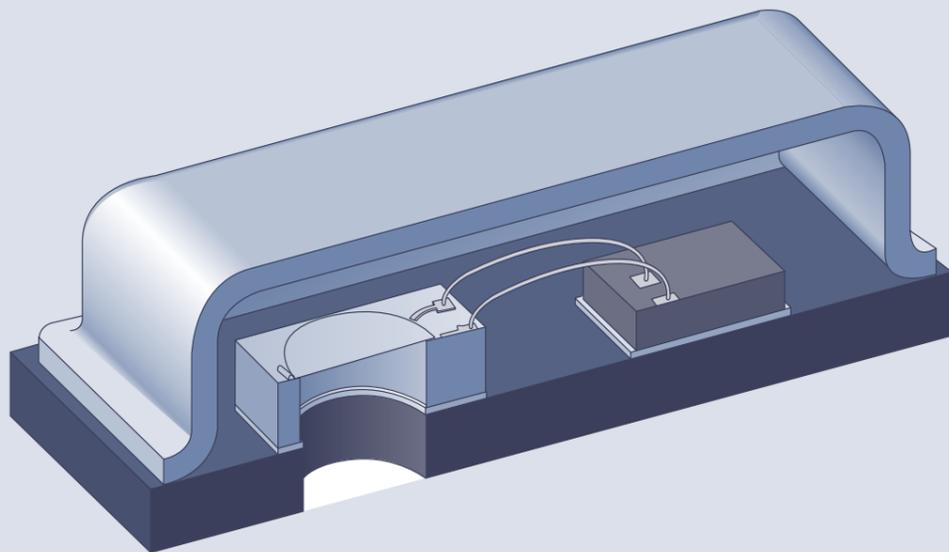
Advanced Materials for Environmental Sealing and Manufacturing Efficiency

MEMS (Micro-Electro-Mechanical Systems) microphones are at the core of modern **consumer electronics** — from **smartphones, earbuds, and smartwatches**, to **voice-controlled devices** and **wearable electronics**. Their performance and reliability depend on robust protection during both assembly and final use.

SAATI provides a range of high-performance materials specifically developed to address the **complex challenges of MEMS microphone integration**, offering:

- **Protection from water, dust, and particles**
- **Resistance to thermal and mechanical stress**
- **Compatibility with JEDEC reflow cycles** during high-volume PCB assembly
- **In-process acoustic testability** — eliminating the need for secondary venting steps post-assembly

These engineered solutions help **prevent mic failure** caused by pressure build-ups, particle contamination, or manufacturing-induced stress, enabling **faster and more reliable production processes**.



SAATIfil Acoustex HT Meshes - High-Temperature Resistant Woven Fabrics for MEMS Protection

SAATIfil Acoustex HT meshes are made of monofilament **PEEK**, offering outstanding **thermal resistance** and **mechanical durability**. Designed specifically for environments exposed to **solder reflow processes** and elevated temperatures, they provide effective **acoustic venting** while protecting MEMS elements from contaminants during and after assembly.

Key Benefits

- High-temperature resistance
- Particle barrier and acoustic transparency in ultra-thin formats
- Dimensional stability and mechanical strength for secure integration

SAATivent M Membranes - Precision Venting for MEMS Microphones

SAATivent M membranes are designed to **protect MEMS microphones** during high-precision assembly and throughout their lifecycle. With **environmental sealing, acoustic linearity, and thermal resistance**, they ensure stable performance even under extreme processing and usage conditions.

Ideal for use in **microphone ports** of **smartphones, wireless earbuds, and other miniaturized audio devices**, SAATivent M membranes support **in-line acoustic testing** and eliminate the need for additional venting components.

Key Benefits

- Withstands JEDEC reflow cycles (high thermal resilience)
- Water and dust ingress protection (IP-rated)
- Enables acoustic testing during PCB assembly
- PFAS-free and process-ready for high-speed integration

SAATI solutions empower MEMS manufacturers to achieve **acoustic performance, manufacturing efficiency, and long-term reliability** — essential in the production of compact, high-fidelity consumer electronics.

Outdoor Devices

Suggested Items

SAATIfil Acoustex HT | SAATivent NM/PR

Acoustic and Environmental Protection for Outdoor Electronic Devices

Outdoor electronic systems operate in some of the most challenging environments — exposed to rain, humidity, dust, condensation, and extreme temperature shifts. Whether integrated into IP security cameras, surveillance systems, smart intercoms, e-bike modules, connected kiosks, or rugged outdoor sensors, these devices require **robust protection** to ensure **long-term performance** and user safety.

SAATI offers advanced **venting membranes** specifically designed for outdoor applications, combining IP-rated barrier protection with acoustic transparency, enabling devices to function reliably while maintaining clear sound capture and communication capabilities.



Engineered Meshes for Precision Separation and Contaminant Control

SAATivent NM Membranes - High-Performance Acoustic Vents for Outdoor Enclosures

SAATivent NM membranes are engineered to support **audio-critical functions** in sealed outdoor electronic devices. These membranes provide **superior protection against water and particulates**, while allowing high airflow to balance internal pressure — ensuring optimal operation of microphones and speakers in **IP-rated housings**.

Ideal for applications such as **outdoor security cameras, smart city terminals, parking meters, and weatherproof public audio devices**, SAATivent NM supports both **environmental sealing** and **audio performance**.

Key Benefits

- Hydrophobic protection (IP67/IP68)
- High acoustic transparency and consistent sound transmission
- PFAS-free and compliant with environmental regulations

SAATivent PR Membranes - Protective Venting for Rugged Outdoor Electronics

SAATivent PR membranes are designed to vent and protect sealed enclosures used in outdoor electronics. These membranes enable reliable pressure equalization, preventing condensation and housing deformation, while blocking water, dust, and airborne particles.

They are ideal for integration into outdoor surveillance systems, connected sensors, GPS units, trail cameras, and even electronics embedded in sports equipment like surfboards and e-mobility devices.

Key Benefits

- Efficient venting to manage internal pressure build-up
- Protection from environmental contaminants
- Supports acoustic function and device longevity

SAATI materials help manufacturers of outdoor electronics deliver products that are **resistant, reliable, and acoustically optimized**, meeting the growing demand for **connected outdoor solutions** in smart infrastructure, mobility, and security sectors.

ARES

SAATI Acoustic Tool for Modeling, Measurement, and Optimization

In the fast-paced world of consumer electronics development, time-to-market is critical — and acoustics leave no room for error. Engineers and product designers face constant pressure to deliver devices with crystal-clear audio performance, whether in smartphones, earbuds, tablets, or smart speakers.

To reduce costly iterations and physical prototyping, SAATI has developed **ARES**: a modular, stand-alone acoustic tool that enables accurate **simulation, measurement, and analysis** of acoustic systems early in the design process.

ARES empowers teams to model system behavior, test virtually, and fine-tune component-level acoustics — all within a single unified platform.

What is ARES? A Modular Acoustic Simulation and Testing Environment

ARES is a PC-based **software** suite developed by SAATI to support acoustic modeling and characterization in small-format consumer electronics. It is designed to help engineers predict the acoustic behavior of complex systems — such as microphones, speakers, and venting assemblies — using a combination of lumped-parameter modeling, electro-mechanical simulation, and measured response tools.

Key Modules

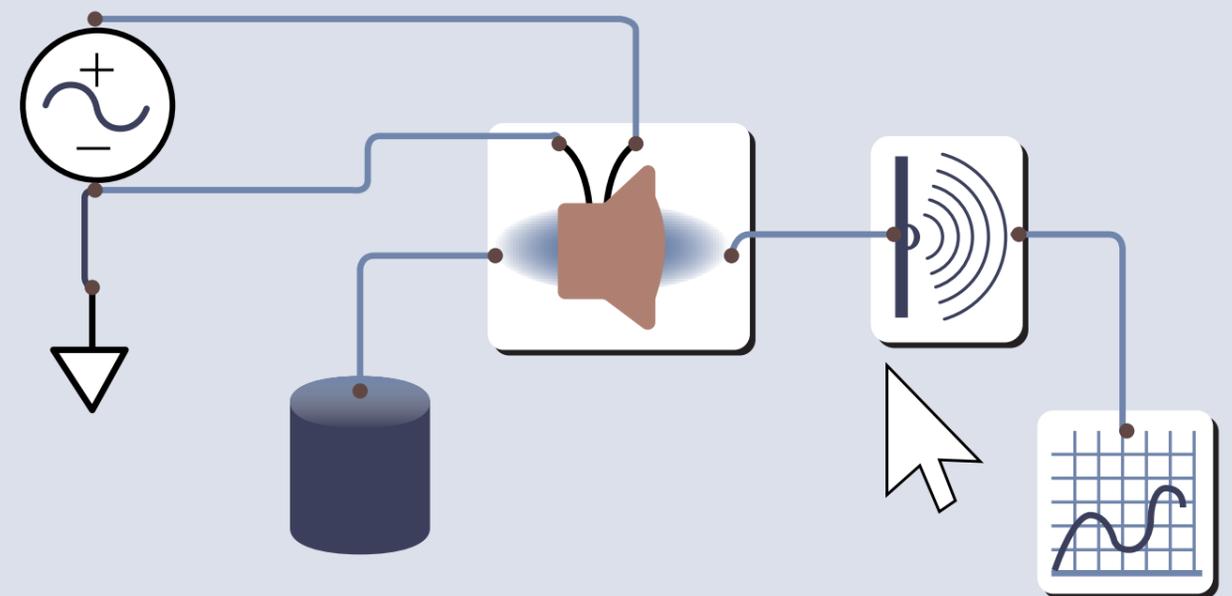
Modeler — for simulating linear acoustic systems using electrical and mechanical analogues

Nonlinear Modeler — for more advanced behavior modeling of acoustic components

Coordinate Mapper — for spatial mapping and visualization of measured acoustic fields

Other specialized modules, such as acoustic impedance measurement, are proprietary and reserved for SAATI's internal development and customer support activities.

All modules are accessible through a **standardized interface**, making it easy to switch between tools without changing platforms. Design work is stored in a single .ares project file, simplifying file management and documentation.



Benefits for Engineers

- **Accelerates acoustic development** by enabling simulation before physical prototyping
- **Reduces testing time** and costs through accurate virtual modeling
- **Improves acoustic performance** by allowing iterative optimization in a controlled environment
- Supports real-world design scenarios in smartphones, tablets, earbuds, and smart devices
- **Simplifies engineering workflows** with a unified, user-friendly interface and project structure
- Trusted by acoustic experts at SAATI for internal R&D and external customer collaboration

Contact SAATI today to request your ARES license and explore detailed technical specifications. Visit our website to discover how ARES can enhance your acoustic development process and give your products a measurable edge.

Engineered in Rolls. Delivered in Ribbons.

Precision Formats for Seamless Acoustic Integration

To meet the needs of high-volume, high-precision manufacturing in consumer electronics, SAATI supplies its advanced acoustic meshes and membranes in narrow-width ribbons — engineered formats ideal for integration into automated assembly lines, compact modules, and sealing processes.

These ribbons are produced through advanced slitting technologies that ensure tight dimensional tolerances, edge stability, and material consistency across the entire roll.

From microphone vents in smartphones to speaker membranes in wearables and smart audio systems, SAATI ribbons support repeatable, efficient processing without compromising the acoustic or protective performance of the material.

Tailored for Integration

- Available in custom widths, adapted to specific module or port sizes
- Wound with high precision to ensure smooth feeding in automated assembly
- Suitable for overmolding, lamination, or die-cutting into final component geometries
- Delivered in roll format to support continuous processing and high-speed operations

By offering materials in high-quality ribbon formats, SAATI helps manufacturers simplify logistics, reduce waste, and improve production yield — without compromising on acoustic clarity or environmental protection.

A precise material is only as good as its integration. SAATI ensures both.



Optimized for Adhesive Die-Cutting

Complete Material Solutions
for High-Precision Lamination
and Conversion

From venting parts to adhesive solutions for microphones and speakers – the adhesive die-cutting process is a critical step in the manufacturing of modern acoustic components. This technique involves laminating multiple material layers (including adhesives and stiffeners) and die-cutting them into custom shapes ready for final device assembly.

SAATI materials are fully compatible with adhesive die-cutting, offering the reliability, processability, and performance required by the most advanced converter operations.

A Complete Offering: Meshes and Membranes

Unlike most suppliers, SAATI provides both woven meshes and venting membranes, giving converters and OEMs access to a complete product portfolio under one roof. This dual offering allows:

- Side-by-side design optimization between mesh and membrane
- Greater flexibility in stack-up design and acoustic tuning
- Simplified procurement and faster development cycles

Expertise Built In

With deep experience in material science, acoustic performance and conversion process requirements, SAATI supports converters with:

- Application know-how across various device types
- Tailored product configuration (roll format, thickness, acoustical behavior)
- Technical support in the lamination, adhesive selection, and die-cut process

Whether the requirement is for high breathability, IP-rated protection, or tight dimensional tolerances, SAATI provides materials engineered to perform – and to integrate seamlessly into the adhesive die-cutting workflows that drive today's device innovation.

Converters can rely on SAATI as a strategic material specialist for complete acoustic material solutions.

Innovation Center

Where Materials, Engineering
and Market Needs Converge

SAATI's Innovation Center is a strategic asset dedicated to transforming ideas into engineered solutions. It supports both product innovation and process development, bridging customer needs and material science through a structured, multidisciplinary approach.

Organized into four synergic functions, the center enables fast feasibility validation, application-tailored prototyping, and early-stage performance assessment — accelerating time-to-market and reducing technical risk.

Advanced R&D

- Scouting and evaluation of emerging materials and technologies
- Development of functional treatments and applied innovation for next-generation media

Product Development

- Transformation of market input into product concepts
- Feasibility analysis, rapid prototype creation, and pre-series production
- Early validation of technical and industrial scalability

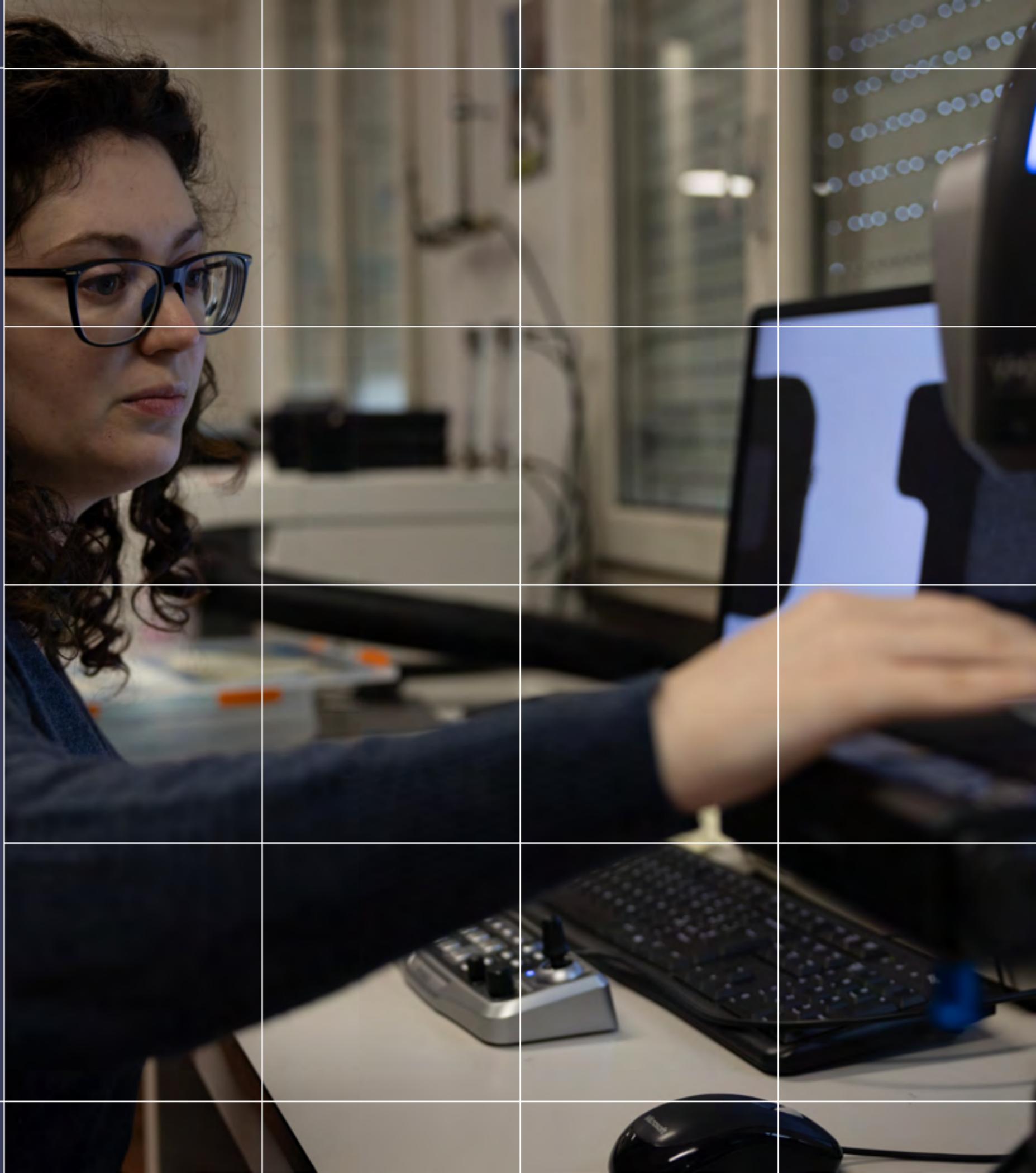
Application Engineering

- In-depth application studies to optimize integration, durability, and cost-efficiency
- Support for design-to-performance matching
- Internal standardization and process harmonization

R&D Lab

- Testing and characterization of prototypes and raw materials
- Collection of performance data and comparative results
- Continuous integration of new testing protocols and analytical methods

SAATI combines laboratory precision with industrial reliability — ensuring every solution meets the highest automotive standards.



Testing & Validation

Advanced Laboratories to Guarantee Consistency and Performance

SAATI operates specialized laboratories for both quality control and applied research, supporting the development and validation of high-performance materials for demanding environments.

All products undergo rigorous testing protocols to verify their mechanical, chemical, and functional properties — from raw yarns to finished media.

Material & Media Characterization

- Optical and SEM microscopy for surface and fiber analysis
- Porometry and air permeability testing for pore structure and flow performance
- Contact angle measurement to evaluate wetting and hydrophobicity

Mesh & Yarn Quality Control

- Dimensional checks on yarn diameter and mesh geometry
- Physical property testing for tensile strength, elongation, and stability
- Ongoing in-line and batch control to ensure consistent production output

Performance Testing & Simulations

- Dedicated test benches for air, oil, and fuel filtration
- Liquid entry pressure (WEP) and airflow tests
- Acoustic lab equipped for:
 - Acoustic impedance
 - Insertion loss
 - THD, SPL and simulation for speaker membranes and sound-transparent media

SAATI combines laboratory precision with industrial reliability — ensuring every solution meets the highest automotive standards.



SAATI produces many products for all types of markets that find their way into the daily life of billions of people. We are leaders in both process and microfiltration, screen printing, and personal and vehicular multi-threat protection products.

Over Ninety Years of Innovative Action

SAATI is a multinational group with corporate headquarters that have been situated in northern Italy since 1935. Today SAATI is a leading force in the development, manufacturing and commercialization of high tech filter media & chemicals.

SAATI's passion and creativity are the foundation for an unsurpassed tradition of continuous innovation in the filtration markets. This endless pursuit is what drives SAATI's dedicated customer-centric R&D to functionalize products beyond simple filtration.

SAATI's wide range of synthetic textiles and fabricated parts in Polyester, Nylon, Polypropylene, PEEK and PPS are the ideal engineered solution for demanding microfiltration applications.

Through specialized processing and rigorous inspection, SAATI ensures consistent lot quality across tolerances, uniformity, strength, stability, and cleanliness for applications with pore sizes from 7 to 3,000 microns.

Perfecting the Art of Precision Woven Fabrics

With over 1,000 employees spread across multiple facilities worldwide, and a strong established track record in innovation and manufacturing excellence, SAATI's mission is to improve the life of every person every day - through working with both customers and partners to create a safer, healthier and cleaner world.

To guarantee product reliability, SAATI constantly runs tests and has all of the strictest and most up to date certifications that validate the consistency, performance, quality and characteristics of each item.

Specific SAATI fabrics are tested and certified in accordance with USP CLASS VI/ISO 10993 Regulations, and these fabrics are inspected and transformed into customized shapes in Class 10,000/ISO Class 7 Clean Rooms in accordance with UNI ISO 9001 regulations.

Let's Shape Sound With Purpose. Together.

In every membrane, every mesh, every acoustic vent — lies the power to make devices not just sound better, but become smarter, more sustainable, and ready for the future of connected living.

SAATI invites acoustic engineers, product designers, and innovators to rethink how materials influence sound. To go beyond basic protection or airflow. To consider not just what a component does, but how it enhances the entire system — from performance to durability to environmental impact.

If precision, clarity, and responsibility guide your design philosophy, you're already tuning into the future.

Let's build it. Together.

Contact SAATI to start a conversation, request a prototype, or co-engineer your next acoustic solution.



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