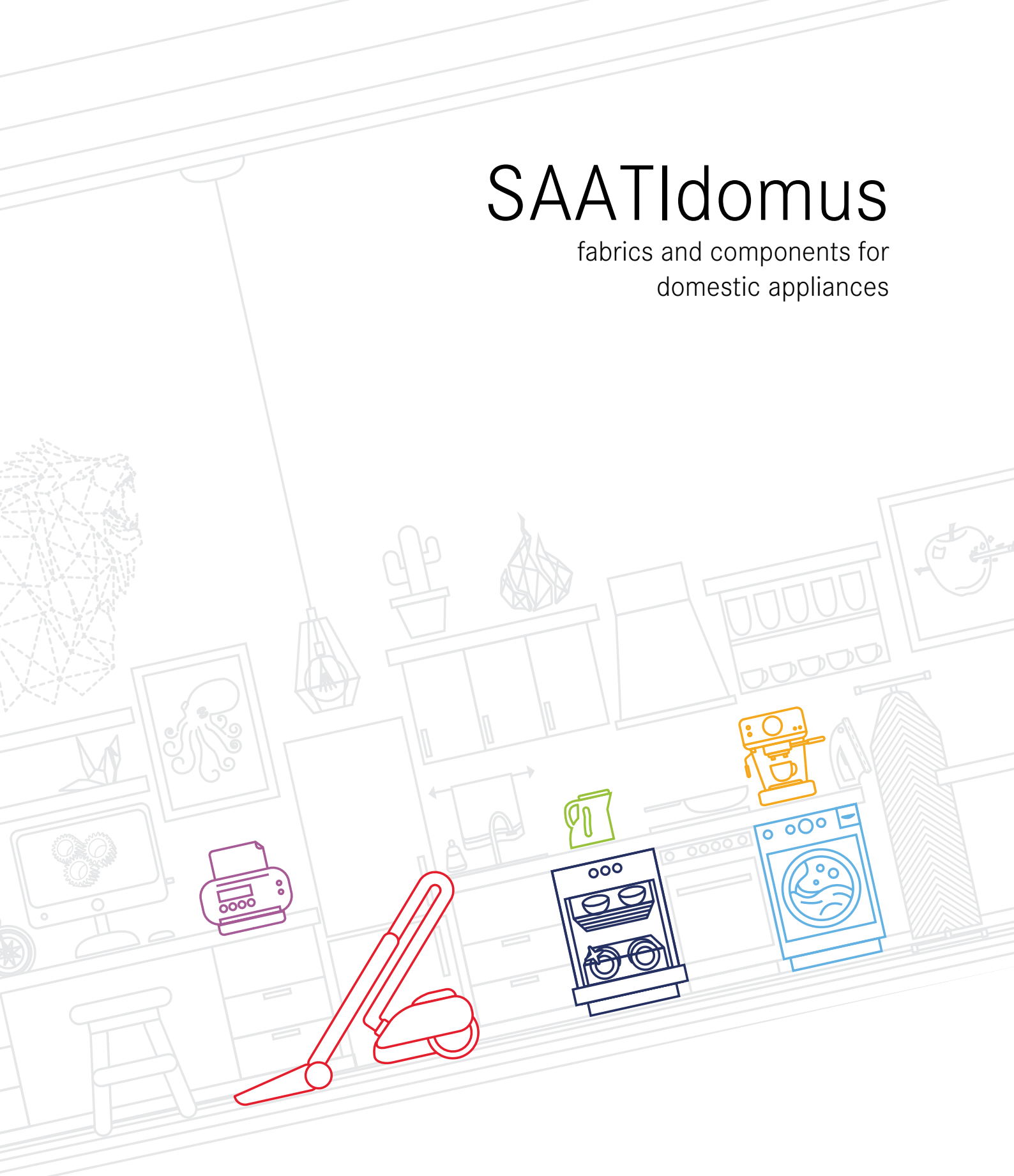


SAATIdomus

fabrics and components for
domestic appliances



—SAATI

We cross-innovate

We cross-innovate

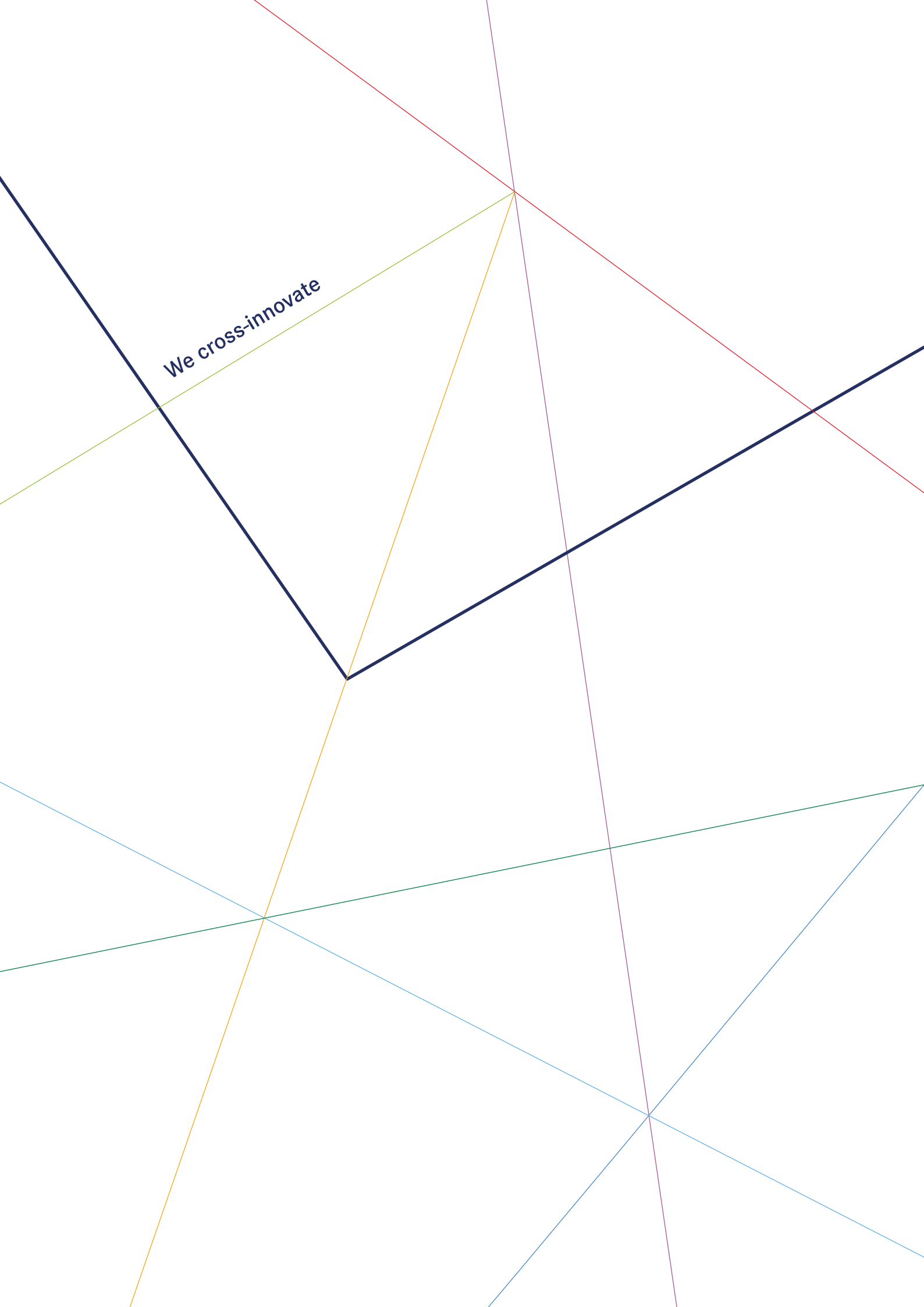


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SAATI and its Filtration Applications

SAATI is a multinational company with corporate headquarters situated in northern Italy since 1935. Today we are a leader in the development, manufacturing and commercialization of advanced technical textiles and chemicals.

SAATI specializes in the production of precise woven fabrics and chemical technologies used in the fields of Filtration, Screen Printing and Ballistic Protection. The development of enhanced performance coatings lies at SAATI's core.

SAATI's filtration activities focus on the production of technical precision fabrics (with monofilament and multifilament yarn) and fabricated components in polyamide, polyester and polypropylene, with the possibility of special finishing treatments.

These products are put to use in a wide range of different filtration fields such as home appliance, consumer electronics, healthcare, automotive, food & milling, and water treatment, along with many other industrial applications.



Focuses on Customer and Innovation

Thanks to our direct presence in many countries, it is easy for the customers to reach us, wherever they are located, and our responsiveness is always prompt. Our staff has a high level of technical expertise and dedication, always aiming to finding the best solution for the customer's requirements. SAATI sales representatives and engineers understand customers' applications, and work closely with the staff in the production and R&D departments to offer a customized solution in a form that best meets their customer's needs.

At SAATI, we have a real attitude for innovation and are committed to a continuous research of processes and materials that make tangible improvements in production and service. SAATI acts in the market with this attitude, offering sieving and filter fabrics and components that answer to the most demanding needs in filtration application.

Every phase of production is carefully monitored, employing frequent in-house testing and rigorous inspection to ensure consistent quality. All SAATI products are manufactured in accordance with UNI ISO 9001 standards.

SAATIdomus

The Industry Standard for Domestic Appliances



Perfecting the Art of Precision Screening Fabrics

SAATIdomus is SAATI's dedicated line for both large and small domestic appliances, which includes an extensive range of fabric in polyester, polyamide and polypropylene, are manufactured in accordance with ISO 9001:2000 standards. SAATIdomus fabrics and components are used in products such as dryers, dishwasher, vacuum cleaners, kettles and coffee machines.

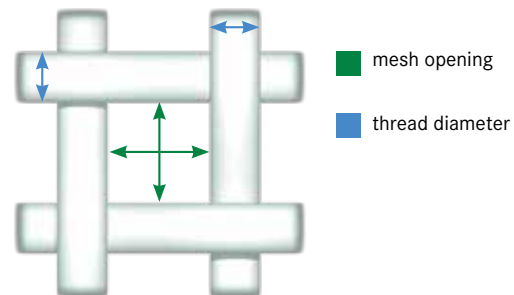
Unsurpassed Customer Support

The quality of SAATImil screening fabrics is backed up by the dedication and expertise of SAATI's customer service team.

Thanks to dedicated offices, warehouses, storage and fabrication facilities located throughout the world, SAATI provides strong local support, expert responses to customer inquiries, strong engineering capability, technical support and fast delivery to every part of the globe.

SAATIdomus Fabrics Key Features

- Smooth Monofilament Fiber
- Available in synthetic (PA-PES-PP) fibers
- High open area (2-60%)
- Thickness (45-1100 micron)
- Consistent geometrical tolerances
- Excellent strength and dimensional stability
- Precise selective filtration
- Minimal pressure loss & high flow rates
- Fully recyclable





Focus on Quality

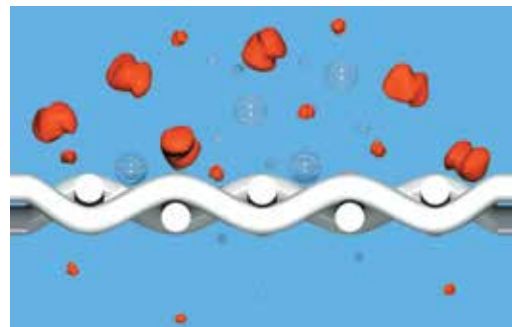
Each geometrical and physical property of the fabric is monitored throughout daily production.

These measurements include:

- Mesh Opening
- Open Area
- Mesh Count
- Thread Diameter
- Mechanical Properties
- Thickness
- Weight



Every phase of production is monitored for quality

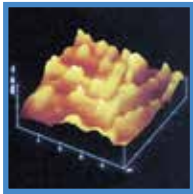


High flow rates with low pressure loss

SAATI Idomus

Surface Treatments

In addition to the deep know-how in weaving, SAATI has unsurpassed experience in surface treatments, and knows how to finish the fabrics in order to enhance their mechanical performances, or to add further functional properties. Almost any surface treatment can be applied including customers' own proprietary coatings.



- **Plasma Treatments** SAATI has pioneered the use of cold plasma to modify the screen fabrics surface properties. The plasma treatment increases the fabrics hydrophilicity making it far more wettable. This also enhances the bond of subsequent coatings and plastics while leaving the undersurface properties completely unaffected. The intensity of the treatment can also be modified to meet customers unique requirements.

- **Hydrophobic Treatments** This enables the separation of water from oil-based products such as fuels.

- **Hydrophilic Treatments** Optimizes the wetting process of the fabric's surface in terms of speed and effectiveness.



- **Metalization** Light, flexible polyester fabrics can be metalized with nickel, copper, titanium, gold or other metals so that they reflect electromagnetic energy and dissipate static charges.



- **Dyeing** Fabrics can be dyed to virtually any color. They are used for computer anti-glare screens, fashion shoes, hand bags and racing car air filters. Food grade dyes can be used. Select one of our many standard colors or have one specially matched.

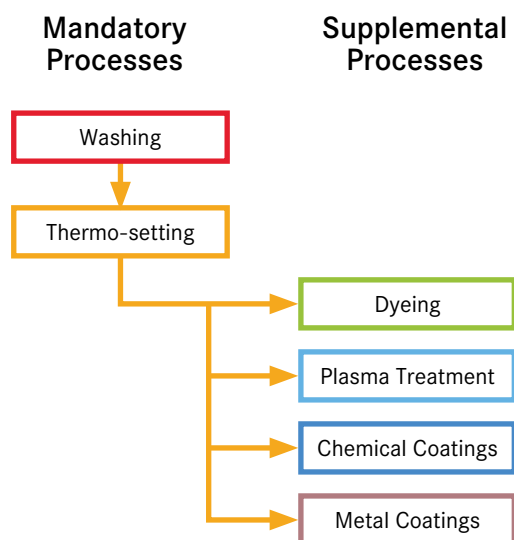
- **Antistatic Finishing** An antistatic treatment can be applied to reduce the build-up of static charges often associated with synthetic fabrics.

In addition to these, we can study in partnership with the customers special different treatments according to specific application, needs and required performances.





Finishing Process



SAATI domus

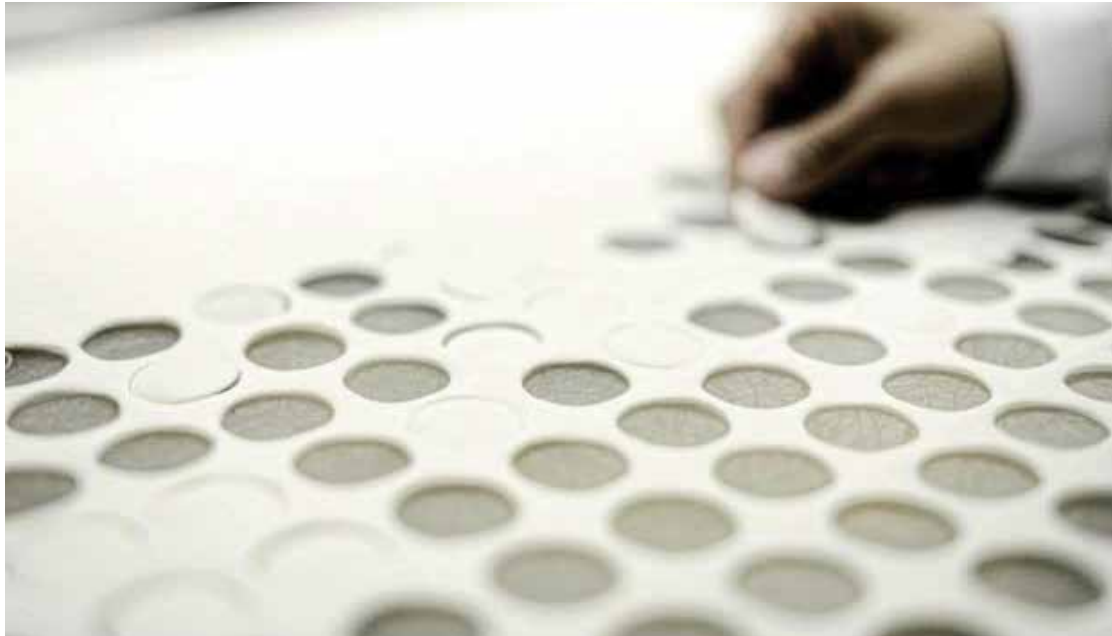
Fabrication Capabilities

The Filtration Division of SAATI not only designs and produces precision woven fabrics but has the ability to engineer them into finished or partly finished products.

Thanks to processing equipment, engineering expertise and a wealth of experience, SAATI provides fabrics cut-to-fit, lot-to-lot consistency and high quality custom fabricated parts, in almost any requested shape.

Examples of our fabrication capabilities include:

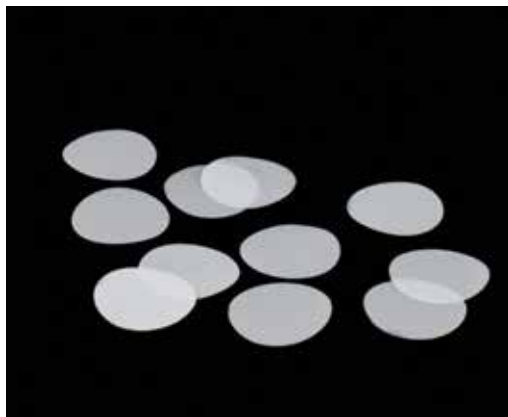
- Die Cutting
- Heat Cutting / Slitting
- Ultrasonic Slitting
- Laser Cutting
- Pleating



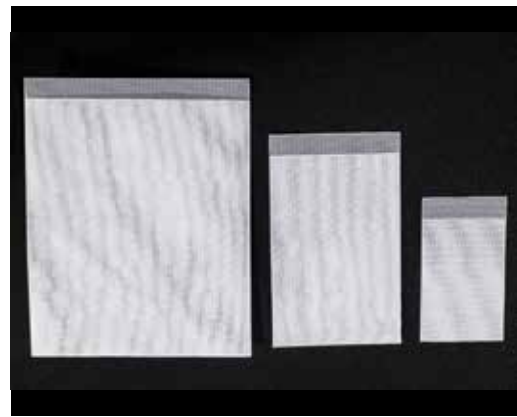


SAATIdomus

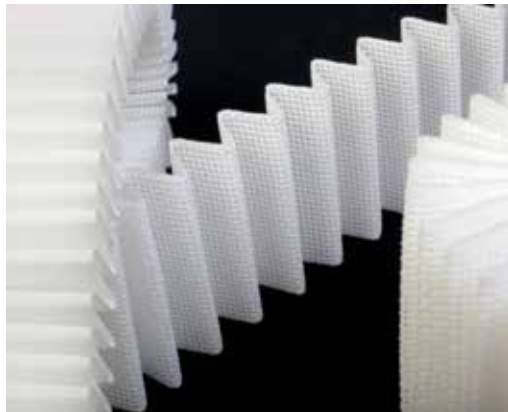
Fabrication Capabilities



Shapes



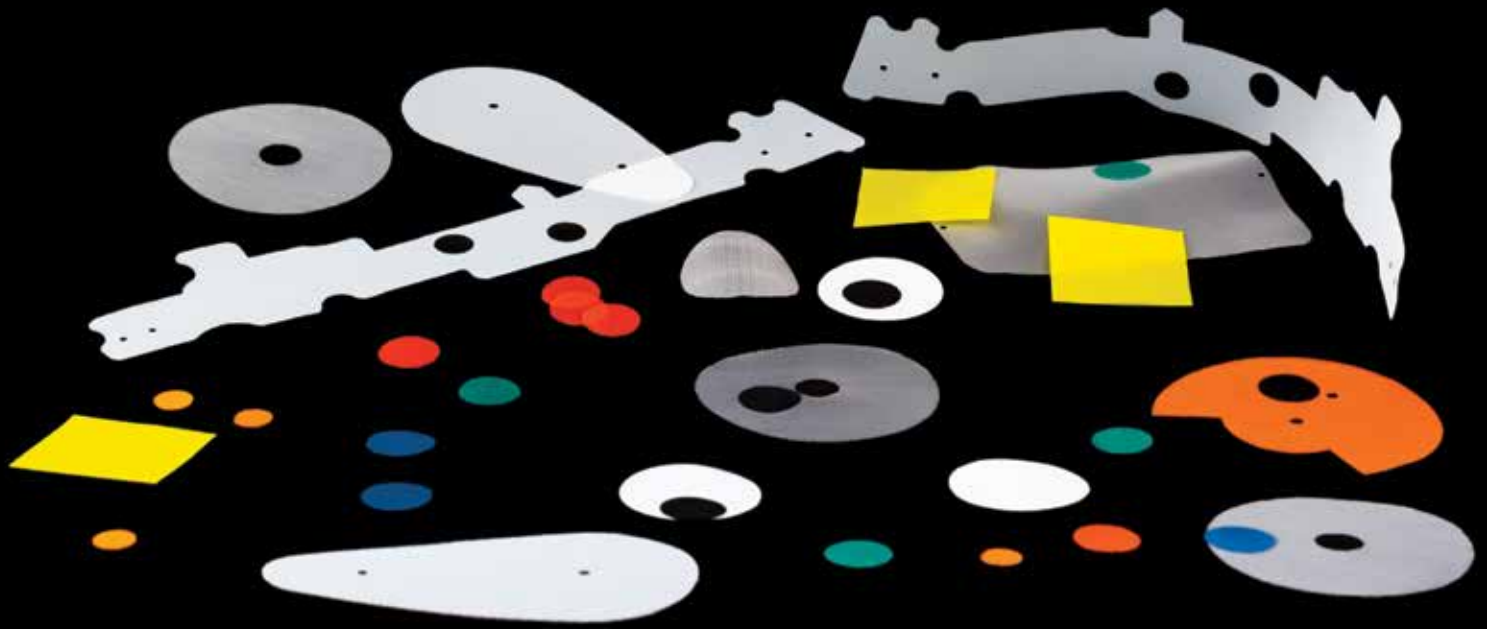
Bags



Pleated Cartridge



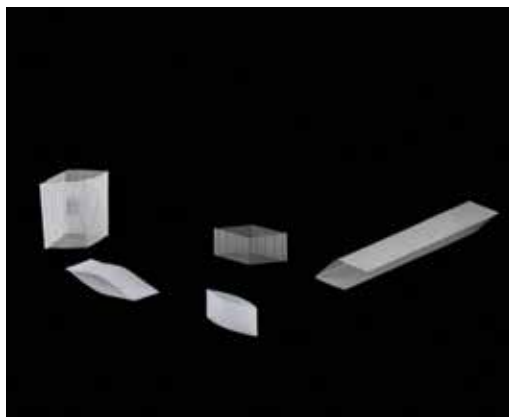
Ribbon



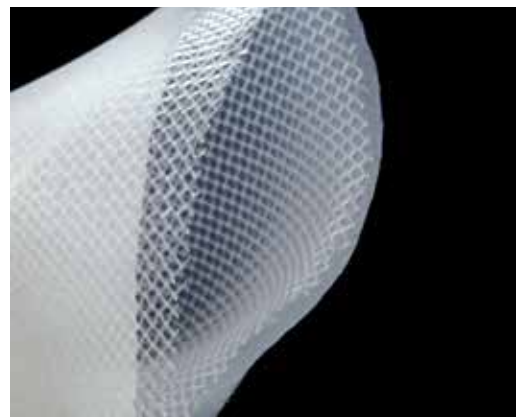
Tube



Tubular Ribbon



Shaped Double Seam Tubular Ribbon

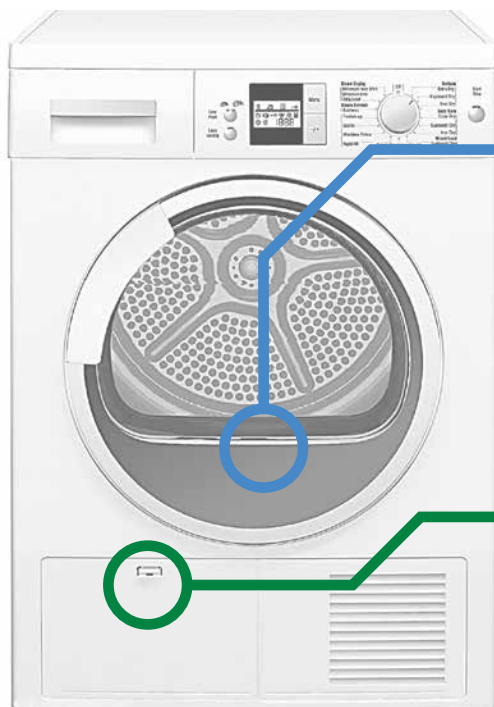


Multi-Layered Ribbon & Tubular Ribbon

SAATIdomus

Major Appliance

Tumble Dryers



Filtered Element: Lint

Solution: Monofilament Woven Mesh

With 100-300 um Opening

Mesh Polymer: PET / PP

Fabricated Part: Shapes

Benefits: Protection Of Device



SAATIdomus

Major Appliance

Washer / Dryers



Filtered Element: Lint

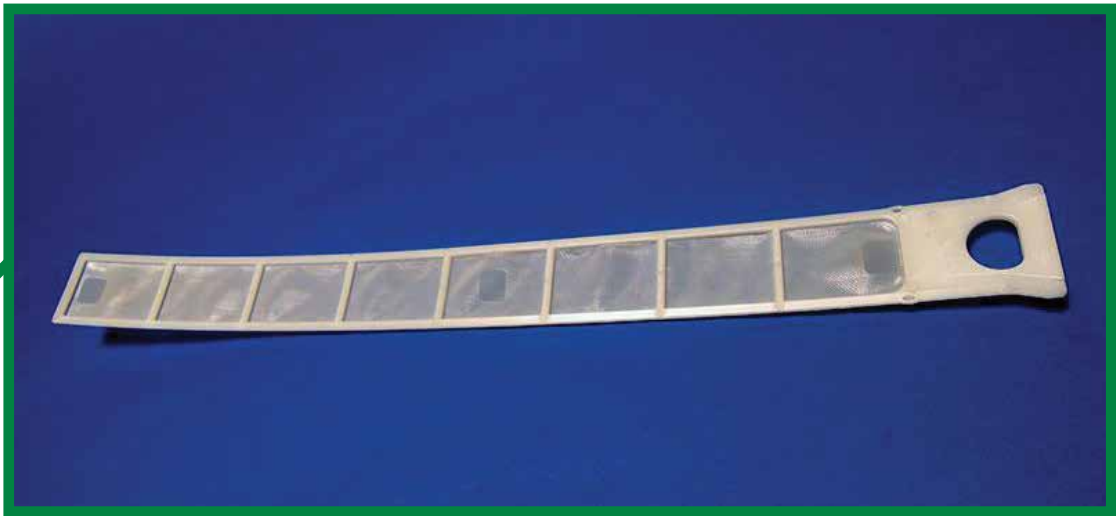
Solution: Monofilament Woven Mesh

With 200-300 um Opening

Mesh Polymer: PET / PP

Fabricated Part: Shapes, Ribbons

Benefits: Protection Of Device



SAATIdomus

Major Appliance

Dishwasher

Filtered Element: Remaining Food

Solution: Monofilament Woven

Mesh With 300-350 um Opening

Mesh Polymer: PET

Fabricated Part: Tube

Benefits: Protection Of Device (Pump)





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Small Appliance

Vacuum Cleaner

Filtered Element: Solid Particles, Dust

Solution: Monofilament Woven

Mesh With 120-1000 um Opening

Mesh Polymer: PET, PA

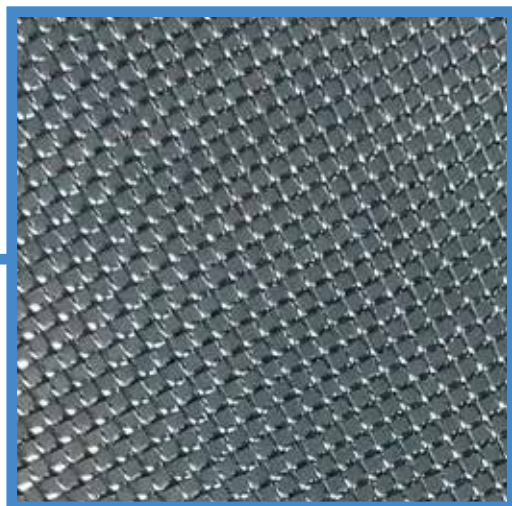
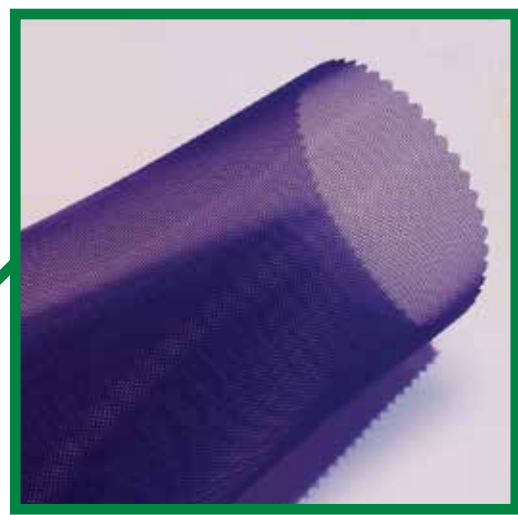
Fabricated Part:

Tube, Shaped Parts, Ribbon, Cone

Benefits: Protection Of Device

(Pump), Filter and Aesthetics





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Small Appliance

Pitchers

Filtered Element:

Limestone And Particles

Solution: Monofilament Woven

Mesh With 105 um Opening

Mesh Polymer: PET

Fabricated Part: Shaped Parts

Benefits: Improved Purity
and Taste of Water





SAATIdomus

Small Appliance

Coffee Machines

Filtered Element: Particles

Solution: Monofilament Woven

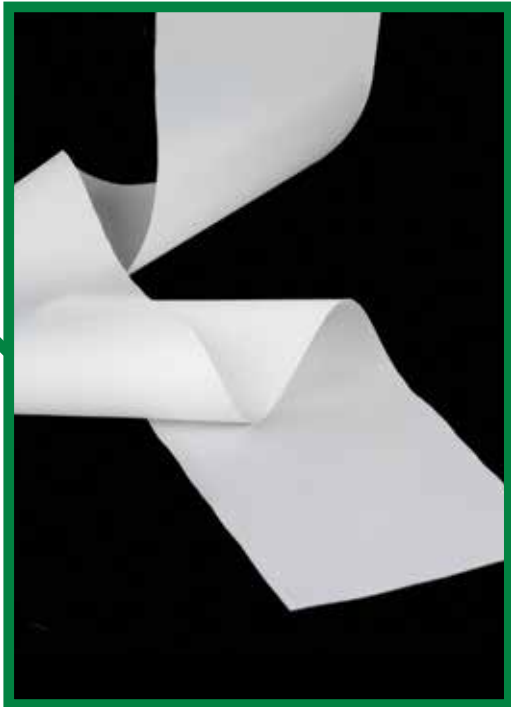
Mesh With 150-250 um Opening

Mesh Polymer: PET

Fabricated Part: Tube, Tubular Ribbon

Benefits: Protection Of device (Pump)





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Small Appliance

Coffee Filters

Filtered Element: Brewed Coffee

Solution: Monofilament Woven

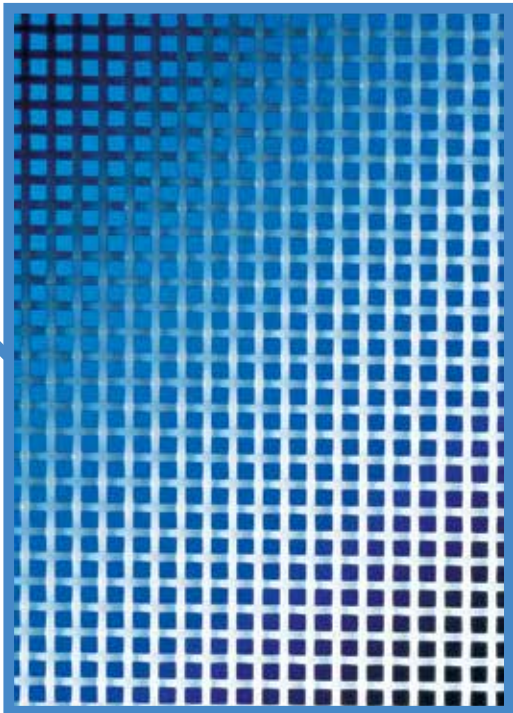
Mesh With 50-100 um Opening

Mesh Polymer: PET

Fabricated Part: Disk, Shaped Parts

Benefits: Improvement of Flavor





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Small Appliance

Inkjet Cartridge Filters

Filtered Element: Particles

Solution: Monofilament Woven

Mesh With 7-18 um Opening

Mesh Polymer: PET

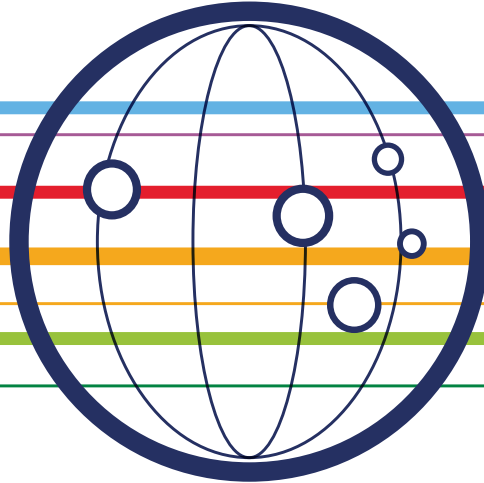
Fabricated Part: Heat-Slit Ribbon

Benefits: Improvement of Flavor





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**SAATI S.p.A**

Via Milano, 14
22070 Appiano Gentile (Co), Italy
Tel : +39 0319711
Fax: +39 031 933392
E-mail: info.it@saati.com

SAATI Americas Corp.

201 Fairview St. Extension
Fountain Inn, SC 29644
Toll-Free: +1 800 431 2200
Fax: +1 864 862 0089
E-mail: info.us@saati.com

SAATI Technical Fabrics (Tianjin) Co., Ltd.

Cross Of Saida 2nd Branch Road and Saida Century
Avenue,
Xiqing Economic Development Area,
Tianjin, China 300385
Tel: +86 22 23960843
Fax: +86 22 23962116
E-mail: info.cn@saati.com

SAATI Deutschland GmbH

Ostring 22 46348 Raesfeld, Germany
Phone: +49 2865 95800
Fax: +49 2865 958010
E-mail: info.de@saati.com

SAATI Korea Ltd.

22, Dangjeong-ro, Gunpo-si Gyeonggi-do, 435-833,
Korea
Phone: +82 31 429 9337
Fax: +82 31 429 9338

SAATI France

74 Route de Bapaume 80360 Saily Saillisel, France
Phone: +33 3 22 85 77 00
Fax: +33 3 22 85 77 00
E-mail: info.fr@saati.com

SAATI Serigrafía Ibérica, S.a.

Pol. Ind. El Mijares, C/ Industria, nº 13 12550
Almazora, Castellón, Spain
Phone: +34 964550688
Fax: +34 964551049
E-mail: info.es@saati.com

SAATI Russia

23 Shvetsova str. 198095 Saint-Petersburg, Russia
Phone: +79 062788343

Website

www.SAATI.com

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