Next Generation Period Panty: Advanced Machine Technology meets Performance Viscose Fibres

ITMF Annual Conference 2023 – 6th of November 2023, Keqiao

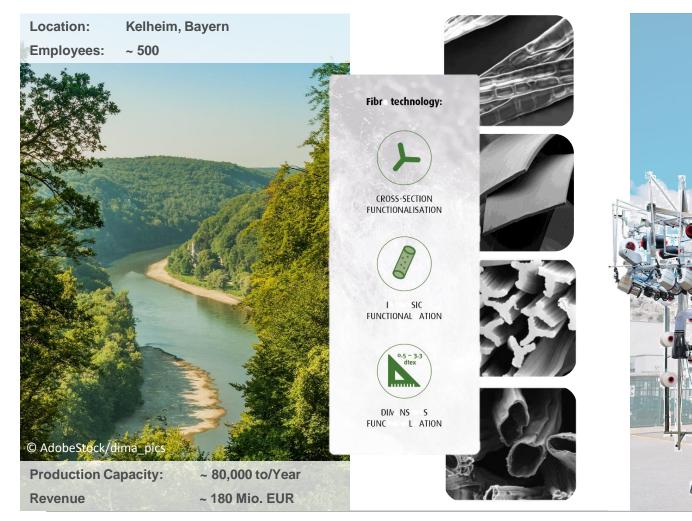
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Kelheim Fibres



Kelheim Fibres & Santoni Spa.



Santoni was born in 1919, as the first Italian socks machine manufacturer.

In 1988 Santoni enters in the prestigious Lonati group, worldwide leader in the production of sock and pantyhose machines.

From then on, the Company has related its name to the "SEAMLESS" phenomenon, becoming itself worldwide leader in the production of electronic machines for graments, without seams.

Today Santoni meets 97 % of the worldwide demand for seamless machines.

Santoni machineries range includes Large Diameter, Garment Length and Hoisiry machines. It brings Santoni to be the biggest maker of of knitting machines in Europe.

SM8-TOP2V

Problem – Solution Fit for Reusable Hygiene products







26.52 %

of the material used is wasted^[1]



Cutting alone generates 13.57 %

of the waste^[1]

Problem – Solution Fit for Reusable Hygiene products





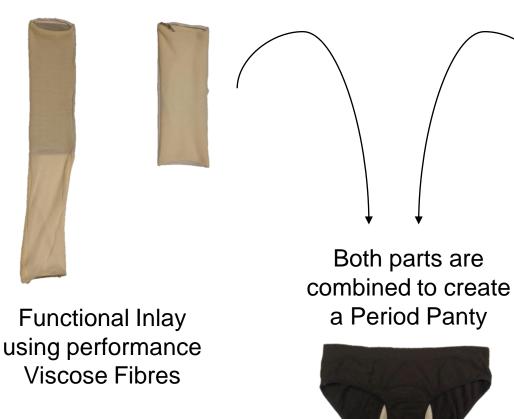
Sustainability





Advanced Machine Techology







Outer part of the Panty SM4 TL2 / TOP 2V

X-Machine

Advanced Machine Technology





Improved Performance

Material Efficiency

Safe Production

Increased variety of sustainable Femcare Products

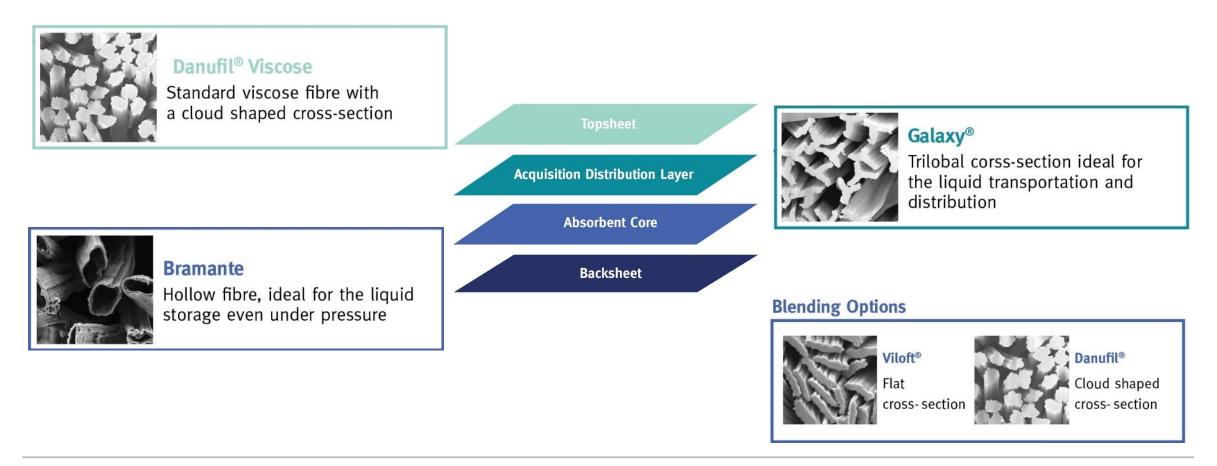
Reduced Waste

Reduced Energy Consumption

Reduced Quantity of Operation

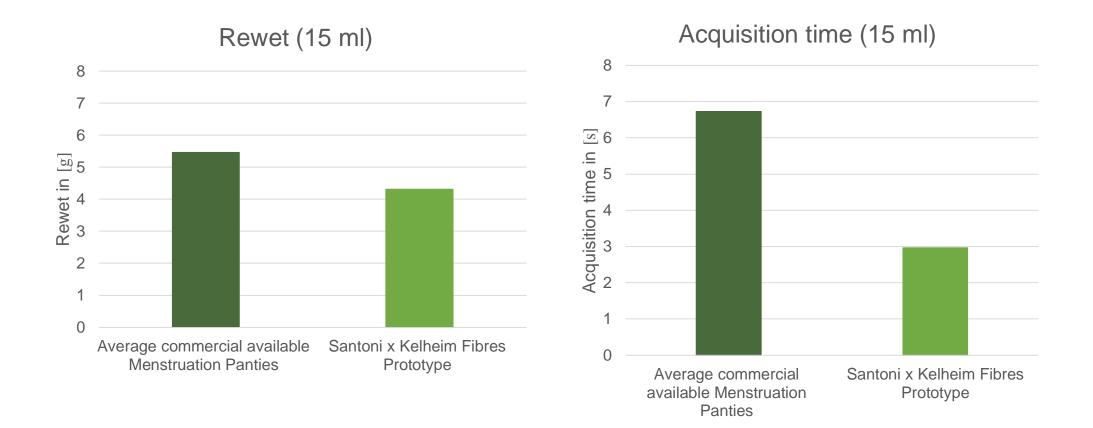
Sustainable Period Panty: Fibre composition





Improved Performance





Sustainable Development Goals

With **our long-lasting** & **high performing** product we want to ensure that women have access to menstrual products that support their health & well-being.

Within our **Open Innovation** approach we strive to collaborate with partners to ensure that new & innovative products can be brought to the market as fast as possible.



By informing & education we want to help **break the Taboo** about menstruation and support an **informed choice for the menstrual product selection** for every women without having to compromise on health, comfort or sustainability



2 RESPONSIBLE CONSUMPTION AND PRODUCTION

With the Period Panty 2.0 **resource consumption can be minimized** as energy as well as raw material and chemical input is minimized through the use of the seamless technology and spun-dyed specialized viscose fibres.





To meet these challenges, the entire textile industry needs to work together, with everyone bringing their specific expertise to the table. We would like to invite the whole textile value chain to practice this open innovation approach together with us.





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