

FILTER PERFORMANCE

Nonwovens functionalizing
for filter applications

F^x-Nonwoven



FILTER PERFORMANCE

F^x-Nonwoven

A Blanke textech competence

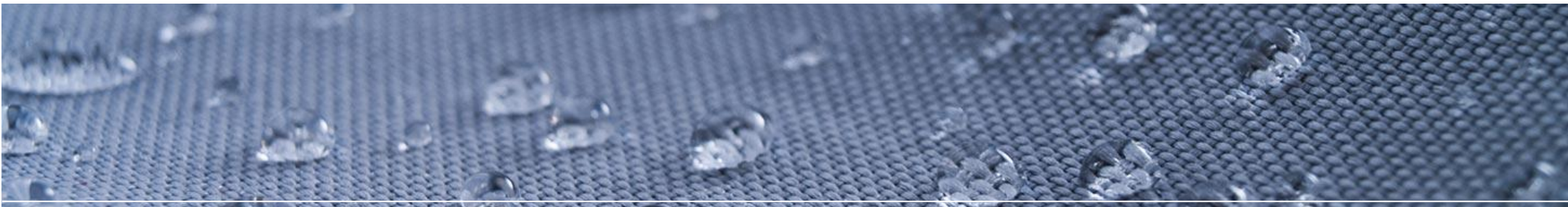


A scenic mountain landscape featuring a calm lake in the foreground, a small waterfall cascading over rocks, and snow-capped mountain peaks in the background under a blue sky with wispy clouds. The text is overlaid on the center of the image.

Wet textile (nano and micro)
finishing of nonwovens for the
liquid and gas filtration sector

fresh and clean

with **F^x-Nonwoven**



Additional use in liquid and gas filtration

Functionalizing by **Blanke**

- Polyester ✓ Staple nonwoven
- Polyamid ✓ Melt-blown nonwoven
- Bicomponent ✓ Spunlaid nonwoven
- Nomex ✓ Flashspun nonwoven
- ... ✓ ...

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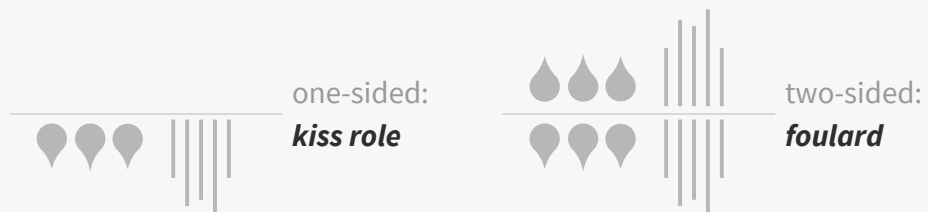
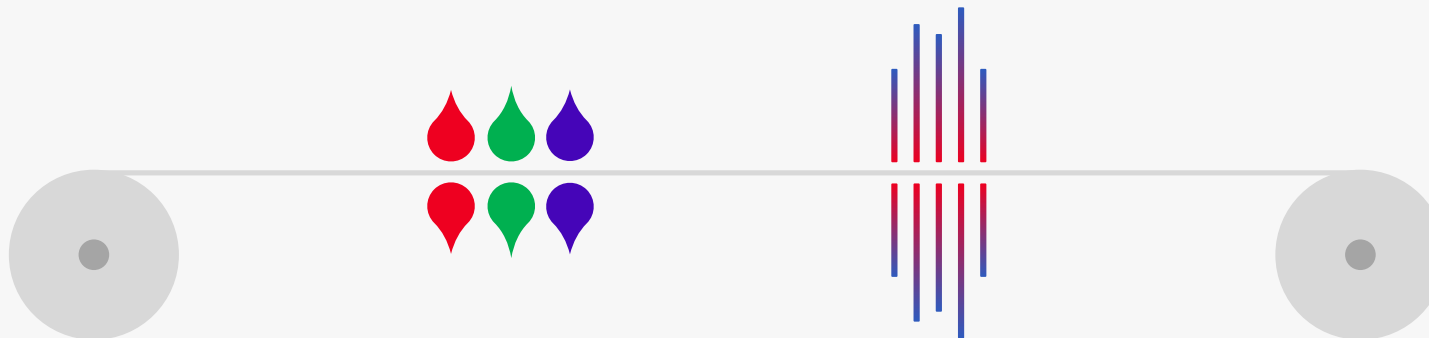
Sport*tech*
Agro*tech*
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Build*tech*
Geo*tech*
Pack*tech*
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Med*tech*
Mobi*tech*
Pro*tech*
Indu*tech*
Cloth*tech*
 ...

A — Nonwovens Finishing Kit

function	technology-system	technology-parameters	USP – customer demand
a) antibacterial	• silver • zinc • saline	• EU + USA conform • EU + US suppliers	
b) catalytic	• silicones • waxes	• EU + USA conform • EU + US suppliers	
c) antistatic	• silicones • waxes	• EU + USA conform • EU + US suppliers	
d) optical marking	• reflections • colours	• EU + USA conform • EU + US suppliers	
e) hydrophobic & -philic	• Fluor-chemistry C6 • silicones	• EU + USA conform • EU + US suppliers	
f) flame retardant	• slats • phosphor	• EU + USA conform • EU + US suppliers	

F^x-Nonwoven finishing - production

Raw material nonwoven → Wet application of the chemical technology → Condensation
80–210 °C
170–410 °F → Preparation
60–320 cm
24–126 inch



F^x-Nonwoven

Today

HEPA-Filter

Mechanical
filtration

blanke



Tomorrow

HEPA-Filter 2.0★★

Catalytical and
mechanical filtration

F^x-Nonwoven

Substrats Filter Nonwovens

How?

- + Antibacterial
- + Antioxidant
- + Catalytica
- + Antimicrobial
- + ...

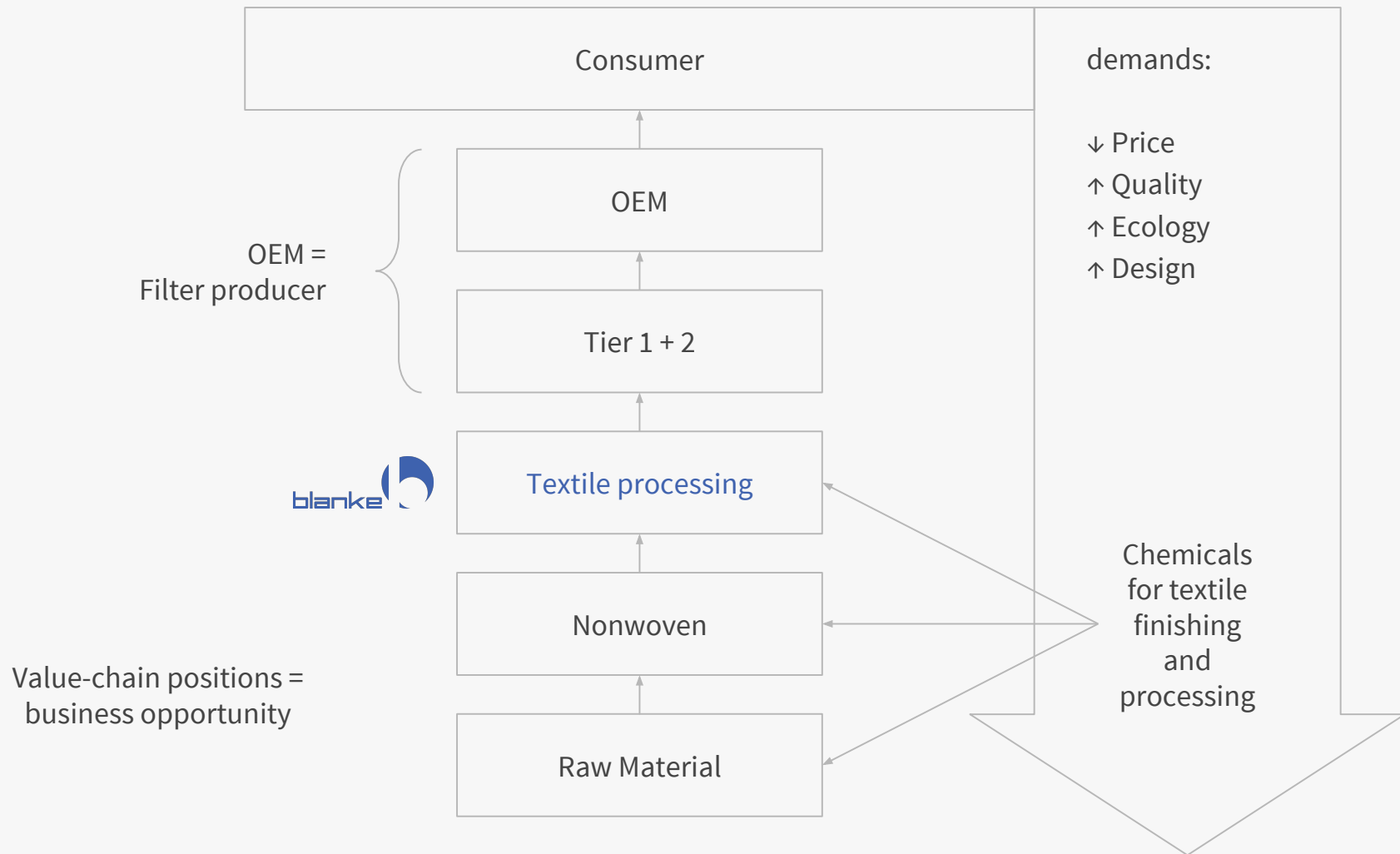
What?

- Bacteria
- Allergens
- Fungies
- ...

Tech-Parameter

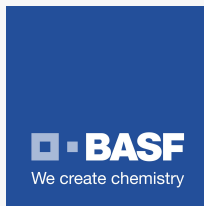
- ✓ Reach
- ✓ EPA
- ✓ FDA
- ✓ EU-Biozid regulation
- ✓ ...

F^x-Nonwoven finishing structure



F — Chemicals Technology suppliers for F^x-Nonwoven

Partners of Blanke textech





Blanke textech is one of the leading German textile finishing, lamination and printing companies focussing on technical textiles for national and international customers since more than 50 years.

Please contact us directly — textile is people business!

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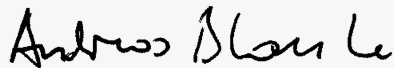
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