



FILTER PERFORMANCE

Nonwovens functionalizing
for filter applications

F^x-Nonwoven



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F^x-Nonwoven

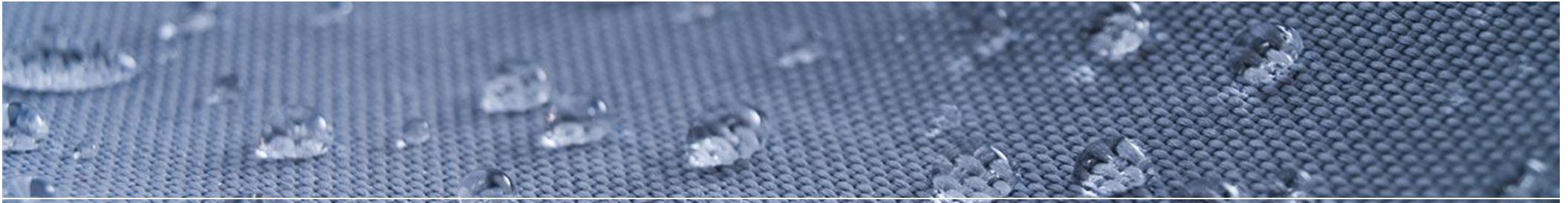
A Blanke textech competence



A scenic landscape featuring a waterfall cascading down a rocky cliff into a clear blue lake. In the background, majestic mountains are covered with patches of snow and rocky terrain under a bright blue sky with wispy white clouds.

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

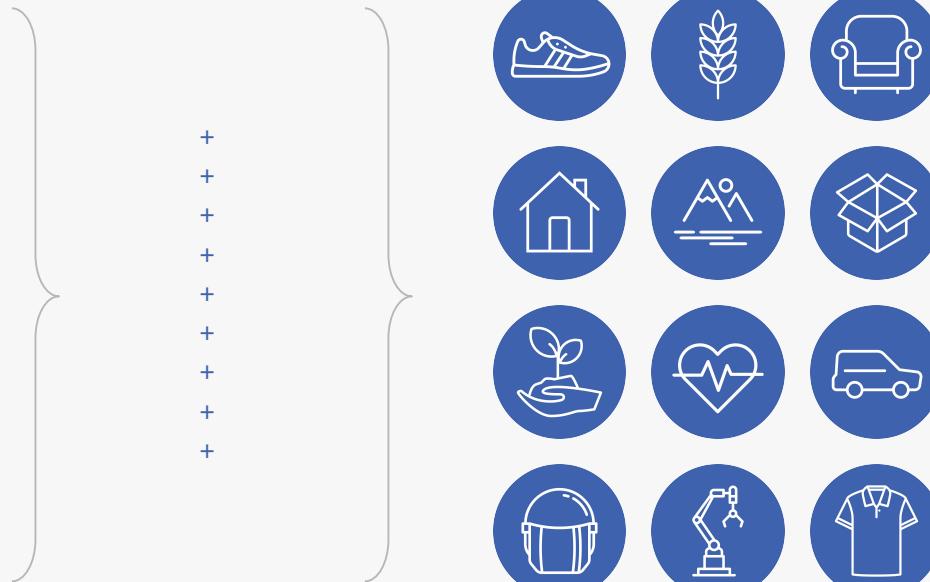
fresh and clean
with **F^X-Nonwoven**



Functionalizing by Blanke

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

Additional use in
liquid and gas filtration



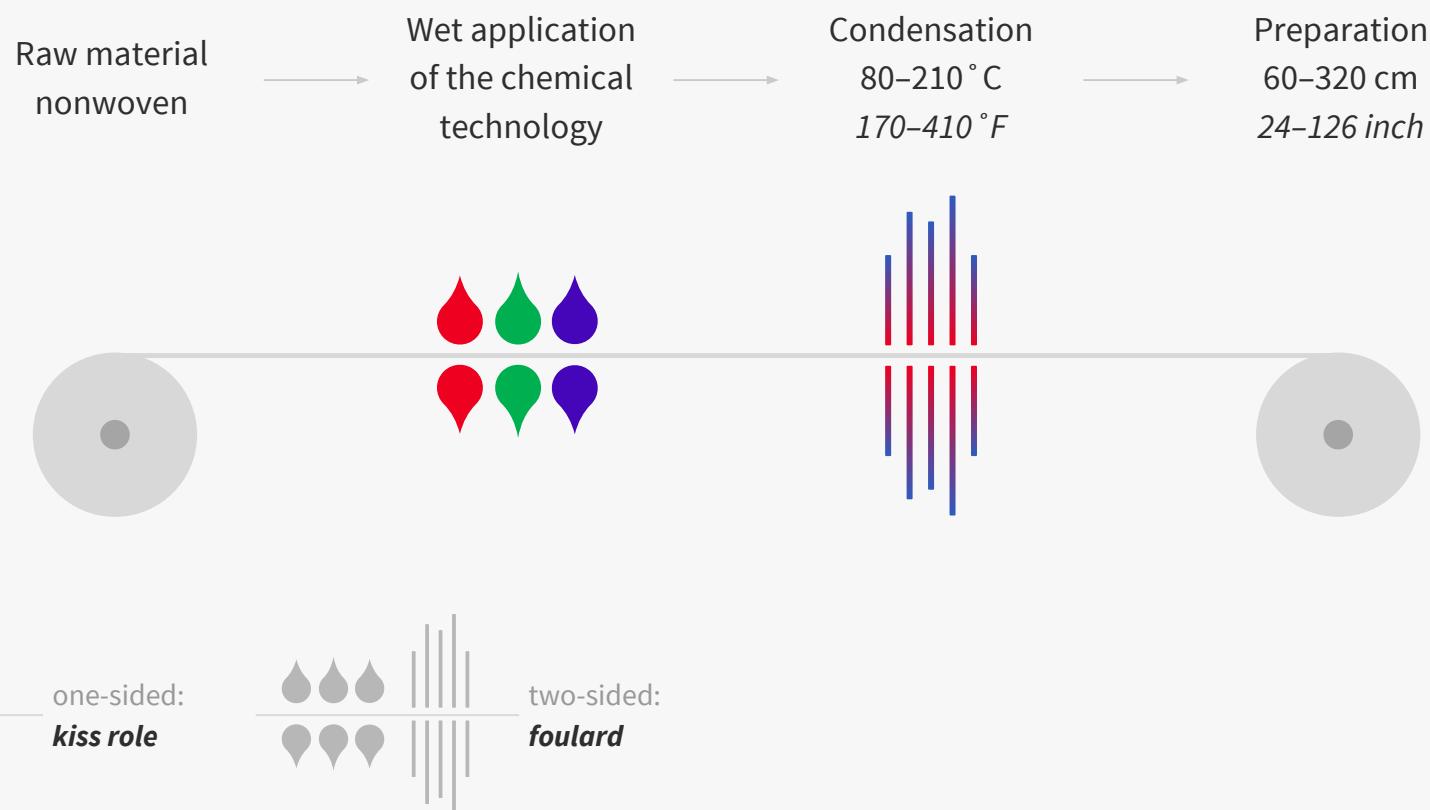
Sporttech
Agrotech
Hometech
Buildtech
Geotech
Packtech
Oekotech
Medtech
Mobitech
Protech
Indutech
Clothtech
...



A – Nonwovens Finishing Kit

function	technology-system	technology-parameters	USP – customer demand
a) antibacterial	<ul style="list-style-type: none">• silver• zinc• saline	<ul style="list-style-type: none">• EU + USA conform• EU + US suppliers	
b) catalytic	<ul style="list-style-type: none">• silicones• waxes	<ul style="list-style-type: none">• EU + USA conform• EU + US suppliers	
c) antistatic	<ul style="list-style-type: none">• silicones• waxes	<ul style="list-style-type: none">• EU + USA conform• EU + US suppliers	
d) optical marking	<ul style="list-style-type: none">• reflections• colours	<ul style="list-style-type: none">• EU + USA conform• EU + US suppliers	
e) hydrophobic & -philic	<ul style="list-style-type: none">• Fluor-chemistry C6• silicones	<ul style="list-style-type: none">• EU + USA conform• EU + US suppliers	
f) flame retardant	<ul style="list-style-type: none">• slats• phosphor	<ul style="list-style-type: none">• EU + USA conform• EU + US suppliers	

F^X-Nonwoven finishing - production



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
- + ...

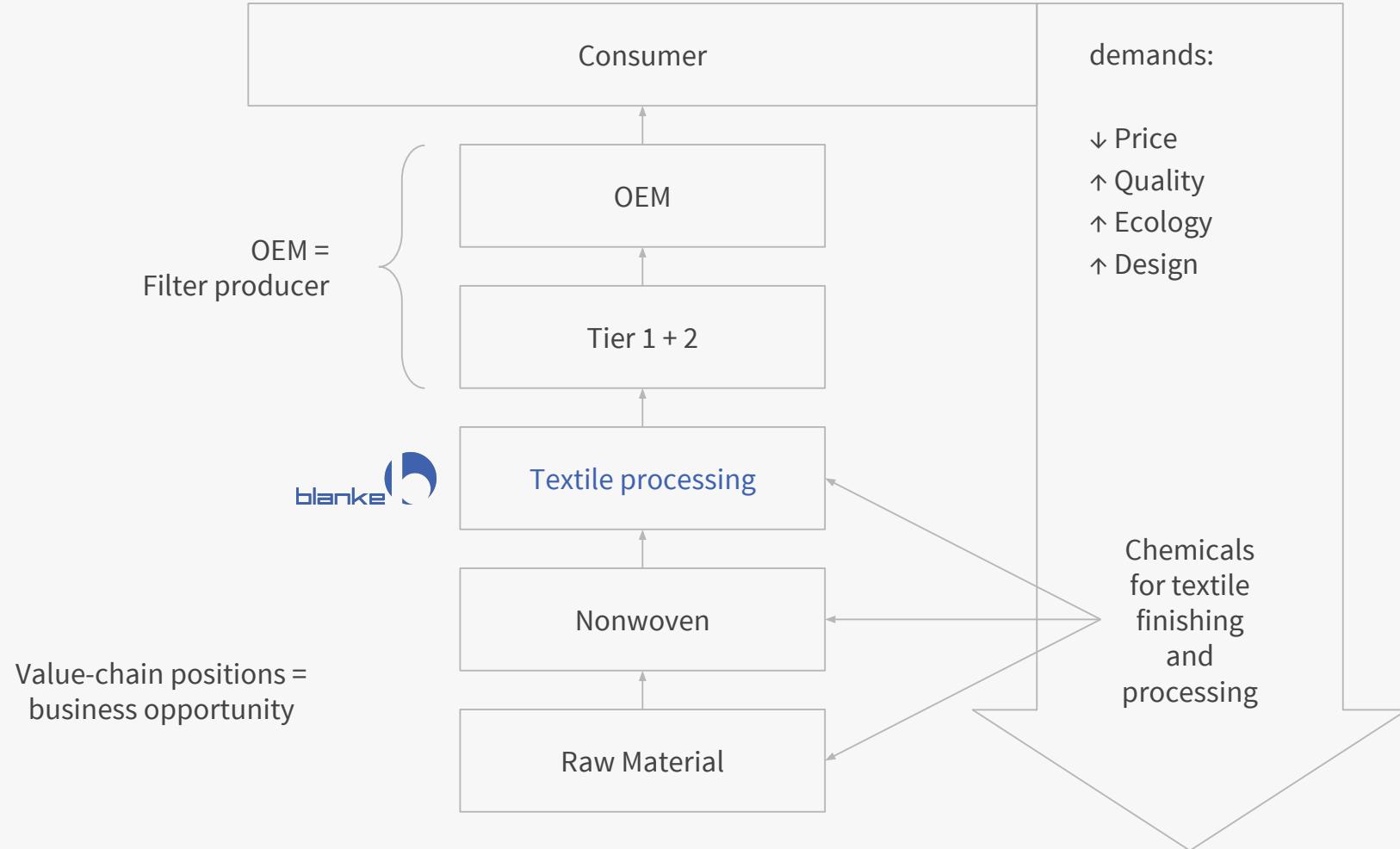
What?

- 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



A wide-angle landscape photograph showing a vast expanse of white, fluffy clouds filling the foreground and middle ground. In the distance, majestic snow-covered mountain peaks rise against a clear, pale blue sky. The lighting suggests either early morning or late afternoon, casting a soft glow on the clouds.

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.