

Trends in functional fabrics



kick off summer 2017
update winter 2016/16

Presented by Performance Days/Ulrike Arlt

Trend topics

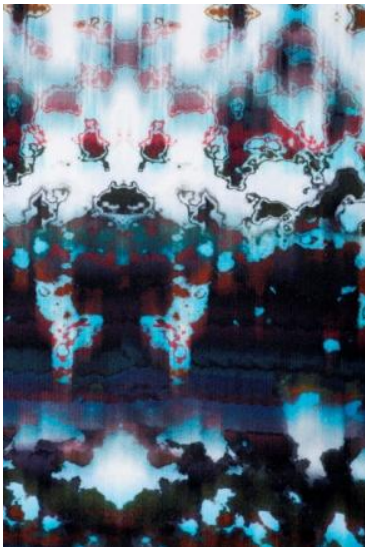
Keywords at a glance:

PATTERNS: PRINTS & JACQUARDS

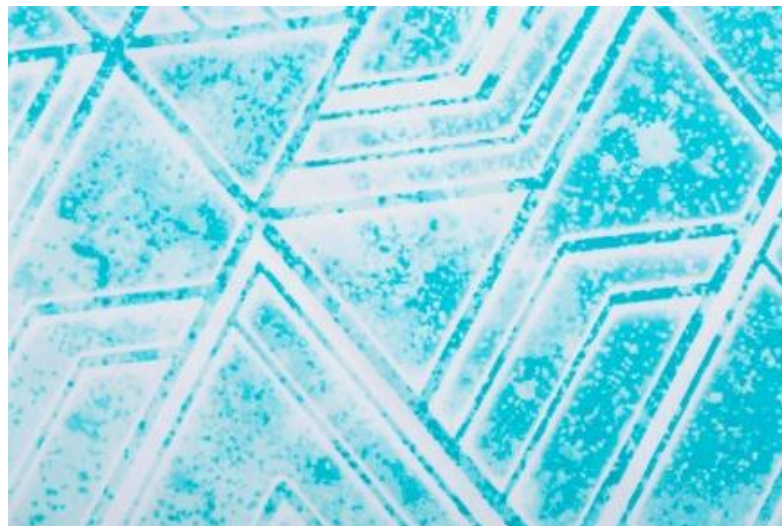
STRUCTURES & 3D

**JURYS PICK: RESPONSIBLE APPROACH
TO WOOL**

Flower Prints & Batik



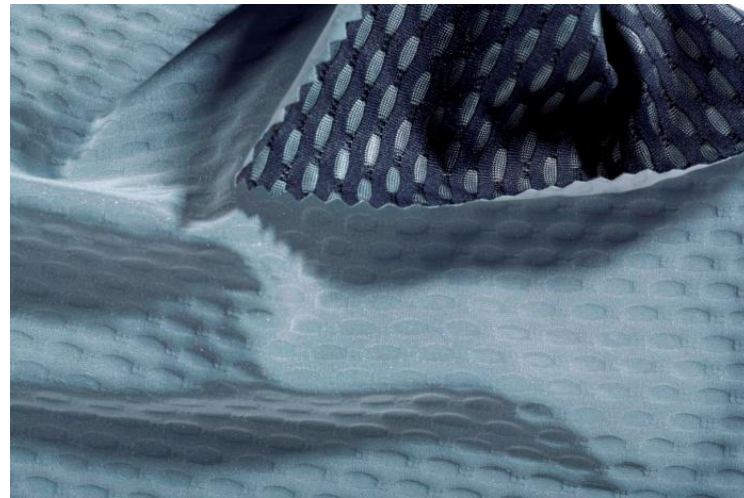
Geometrical Prints



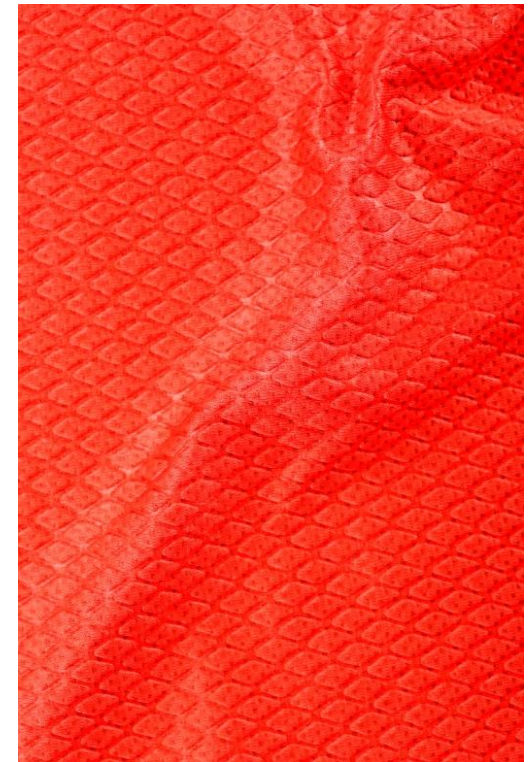
Organic Jacquards



Structure by knitting / weaving or laminated backsides



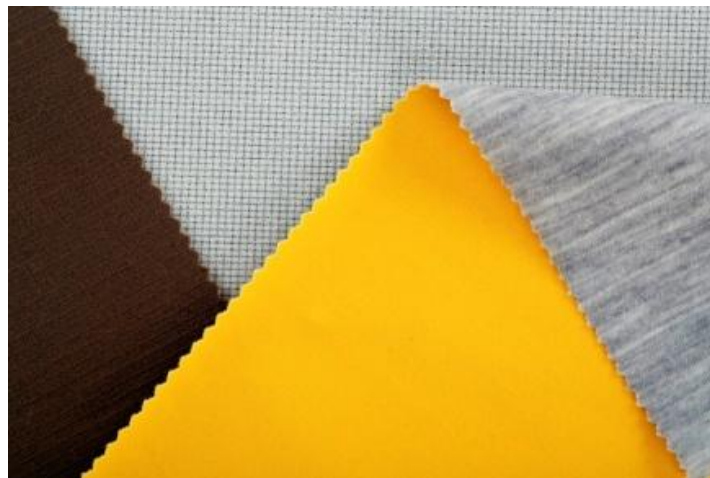
3D Patterns by quilting or embossing



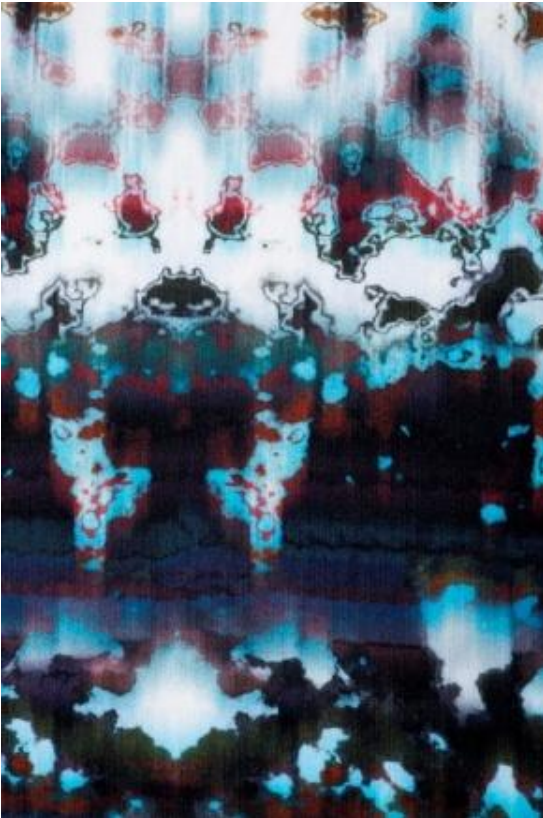
Jurys Pick: Wool, but responsible!

- Wool, used in clothing have come under fire recently: The painful practice of mulesing of merino sheep or the use of poisonous chlorine to bleach the wool is harmful to the animals and the environment.
- So there is a need for sustainable concepts for pure virgin wool and merino that do not harm the animals or the environment.**
- Table No. 10 at PERFORMANCE FORUM highlights the merino suppliers who offer responsible wool and certified fabrics.
- In addition, at the PERFORMANCE GATE important certificates for the protection of animals and the environment will be presented - created by well known designer Alexa Dehmel.
- So learn more about the certificates as: Organic Wool, ZQ (Zque) from New Zealand, bluesign or others and have a look at the sustainable & wool fabrics of PERFORMANCE DAYS exhibitors.**

Jurys Pick: Wool, but responsible!



Baselayer



From left:
Skinkong
Designer Textiles

Made to be worn directly on the skin, the Baselayer fabrics shouldn't be called simple. They show a lot of prints, jacquards, structures and 3D-effects. On the one hand, man-made fibres with quick drying properties can be found - on the other hand, there are lots of blends with natural fibres offering a soft handfeel, being suitable for soft sports as Yoga or for Wellness-Outfits.

Baselayer



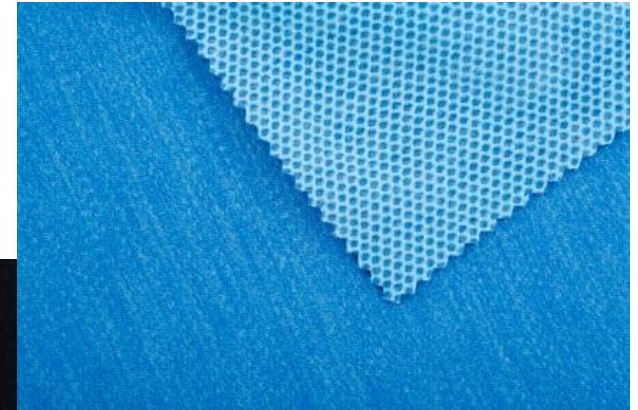
- Extremely light and soft qualities with perfect moisture management properties due to man made fibers vs.
- Pure merino wool or blends - depending on the level of activity



clockwise: Tex
Tile, Diyang,
Ourtex, Labtex

Right: Sofileta
(blue), Trueway
(yellow)

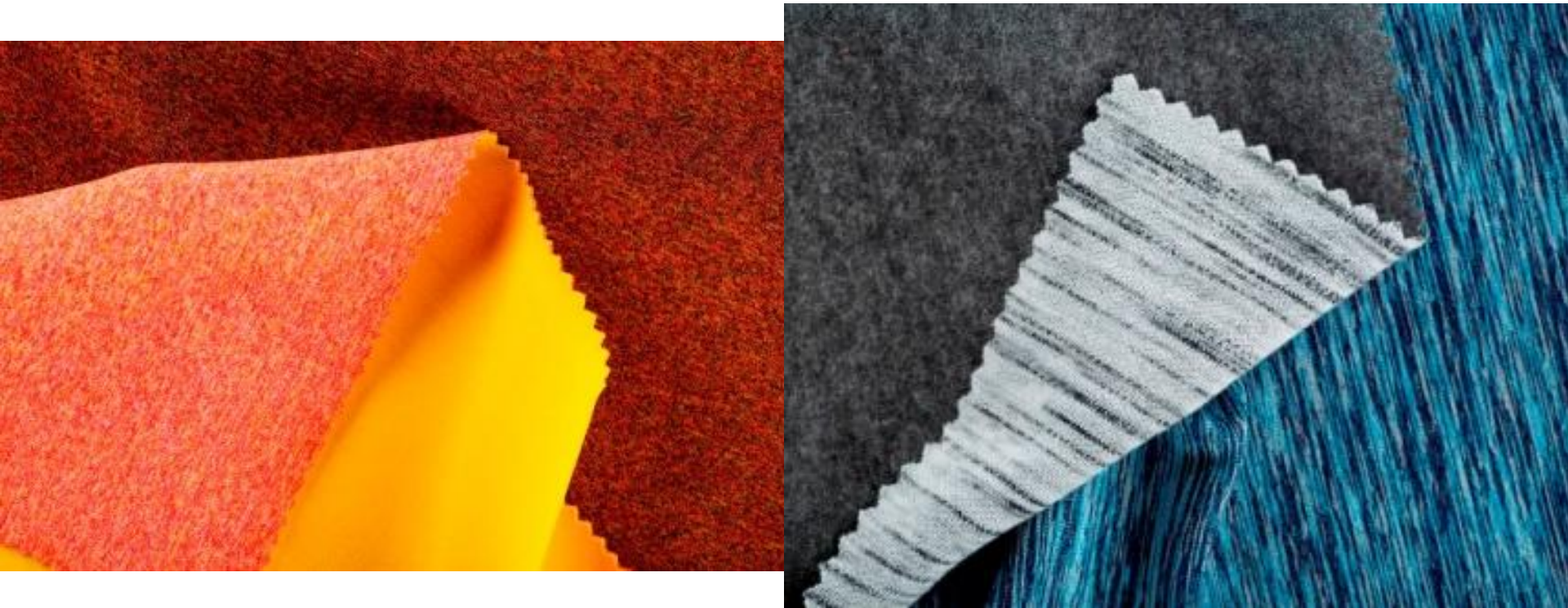
Midlayer



clockwise
Tessile
Fiorentina,
Glowtex,
ATAG,
Yuan Ling

- Lighter and thinner than before, but still good warmth retention.
- New spacer fabrics with clean surfaces and for a fashionable look with performance properties.
- Structure is important, too, generated by knitting technologies or embossing.

Midlayer



Very soft microfleece grades show new colour variations thanks to multicolour blended yarns

Up: both fabrics
Brugnoli, below:
left: Long Advance,
right: Men Chuen

Softshell

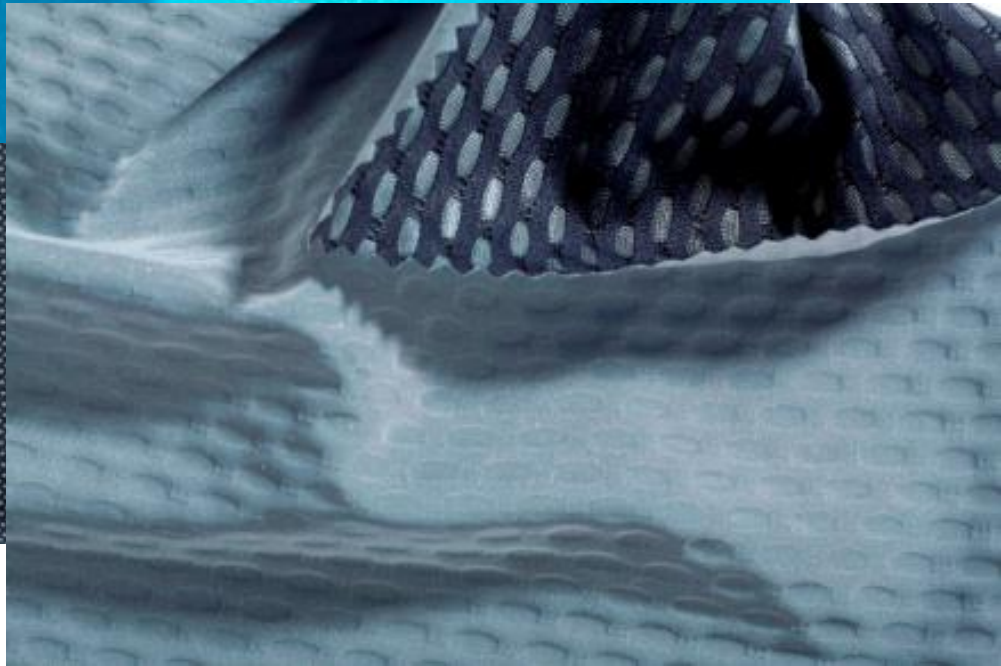
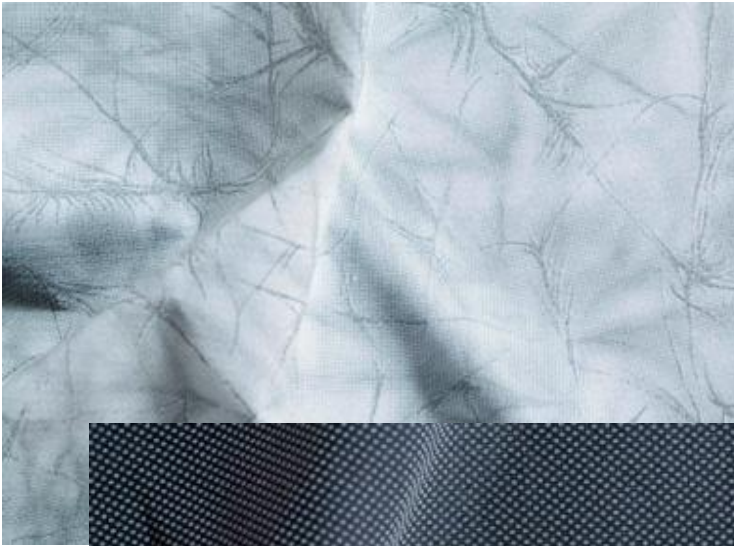


clockwise:
Serates, Dogi,
Trueway, Trueway

These bonded or laminated grades are soft, elastic and non-tapeable. For summer 2017, there are new extra-light qualities with good breathability being suitable for high aerobic sports e.g. running or biking. Structures are seen everywhere, either inside as grids or outside showing eyelets or embossed patterns. Retro-reflectives can be found, too.

Clockwise: Rih Jah, Sofileta,
Penn Textile, Hwa Fune

Softshell



Hardshell / 2-Layer

Clockwise:
Basol, Sian Tex,
Below from left:
Basol, Wide Plus,
Shinkong



Natural colors and new structures - these are the two themes of the new 2-layer fabrics. Bird's eye jacquards, honeycomb patterns, or prints on the backside of transparent fabrics give a totally new look to this „bread and butter“-category.

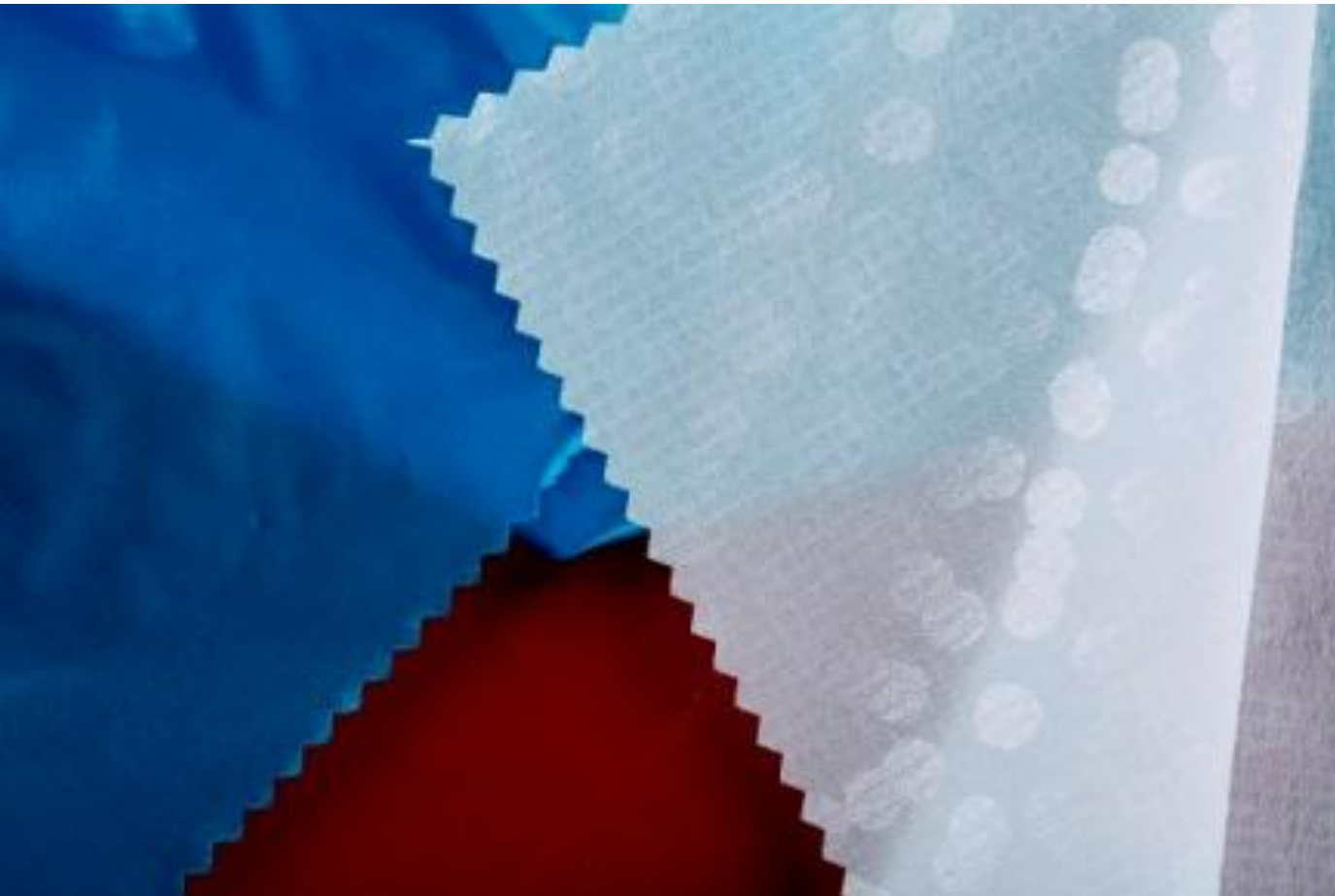
3-Layer



clockwise: Achievetex,
2Emme, Solis, Premiere
Fashion

- Tapeable, high-performance laminates
- Lighter and softer than before
- Elastic qualities, hard wearing surfaces
- Bio-based membranes
- New natural colors and organic structures like bark

High Density & Lightweight



- Extremely light functional fabrics
- from 20 g/sqm up to nearly 100 g/sqm
- Most of them are elastic as well as down proof
- sometimes water-resistant, or windproof

clockwise: Achievetex,
Tamurakoma,
Honmyue

High Density & Lightweight

from top; Shinkong,
Tamurakoma



- Some fabrics are even laminated
- New patterns and prints as camouflage or batik
- Slight transparency
- Air permeable but water-resistant qualities can be used for extra light jackets for high aerobic sports.

clockwise: Dyntex,
Shinkong,
Amaterrace



Shirt & Trouser



clockwise: Jersey
Lomellina, ESF, Brunogli,
Maglificio Ripa

- On this table, a new group of highly elastic woven fabrics can be found for fitness or biking pants. Their high percentage of spandex also offers compressive properties.
- The fabrics for hiking and outdoor pants are lighter and softer than before but rugged at once.

Shirt & Trouser



- Light shirt qualities with natural yarns as wool, tencel or linen
- New colours and patterns

clockwise from
top:
from left: Wide
Plus, Chia Her
from left: Nilit,
Victorytex
from left: Chia Her,
Hwa Fune

Casual



- Structure, patterns, prints, natural look and natural fibres
- Artificial leather, hand feel as suede and 3D-embossing
- For new, noble looks
- Padded articles for light jackets show new patterns thanks to ultrasonic welding

- from top:
1. both: Safil
 2. From left: GB Textile, Dominion, Sian Tex
 3. from left: Komatsu, Modestex

clockwise: Ho Yu Textile, FOV, 2x
Ekoten



Workwear



from top: Ho Yu Textile, 3x IBQ

clockwise
Ekoten,
Chia Her,
Chia Her,
FOV

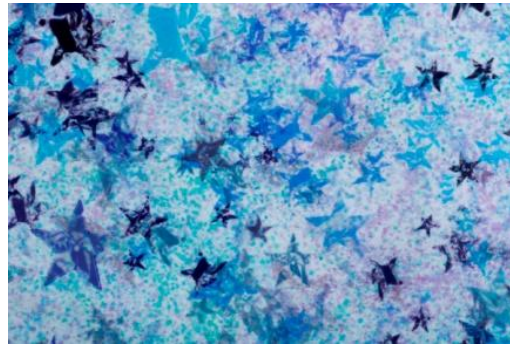


More comfort than ever before is offered by the new workwear materials. Soft and light jerseys for shirts or baselayers are flame retardant as once and offer high abrasion properties. Pants fabrics come with cordura or aramid fibres - hard wearing but elastic and comfortable. Even sustainable solutions can be found with biopolymer made of castor beans.

Innovations

Update: Visibility

The topic of "Visibility" has been further developed. In addition to offering colorful illumination with reflective prints, other new developments expertly mix reflective elements with visible fabric print motifs for a self-protective as well as a very fashionable look at sundown.



Innovations

Ecological Accessories

A particular highlight are the buttons, buckles, and cord locks from manufacturers Rudholm & Haak and Hartmann, which are made from the waste products of the paper industry. In the past, lignin was only burned as a by-product in the manufacture of paper and never processed any further. Now, by adding natural resins and fibers, the 2 companies have succeeded in making accessories that represent the "cradle-to-cradle" philosophy at its best.

