

# Trends in Functional Fabrics



kick off winter 2016/17  
update summer 2016

Presented by Performance Days/Ulrike Arlt



# Trend topics for F/W 16/17

Keywords:

New Natural Look

3Dimensionality

Structure

# NEW NATURAL LOOK

The desire for the natural look is implemented in many different variations:

- \* The natural color tones play a major role, realized in a brand new marled look, also as irregular horizontal stripes ("streaking") that creates vibrant structures.
- \* Natural fibers are gaining an ever greater role and are no longer limited to the bodywear sector:

Merino wool can be found in the midlayers in countless mixtures, but just as likely in the softshells and 3layer laminates, on the one hand as the outer fabric, otherwise as the liner side.

New and not less exciting are the cotton blends, which can be found even in the highly functional laminates.

# 3D & Structure

The topics 3D and structure are defining all layers of the functional clothing systems:

\* From the airy mesh in the baselayer category to the softshells, the materials reflect a 3-dimensionality in every possible type - as jacquard, as embossed technique, as double-layer with spacer-system, or as special bonding.

The fabrics appear more voluminous, but are light and have clean finishes; They offer protection while at the same being soft and warm, without being uncomfortable.

The robust spacer plays an important role - often as a three-dimensional mesh - even with the accessories.

# Baselayer



clockwise:  
Suedwolle, A.  
Sampaio,  
Pontetorto, Wide  
Plus

- Starting from extra light merino-mesh fabric
- Via soft and elastic, structured qualities
- Finally heavier double weaves all qualities offer best moisture management, wicking properties, odor control

# Baselayer



clockwise:  
Tessile Fiorentina,  
Thygesen & Birk,  
Evertex, Sportswear  
Argentona



- Pure merino wool or blends - depending on the level of activity
- Doubleface fabrics, great variety of colours, structures
- Stripes, marls and melanges enable a really casual look

# Midlayer



clockwise:  
Ifabrix, Labtex,  
PrimaLoft, Zig  
Sheng

- Soft and light qualities but with a good warmth retention
- many spacers and 3D constructions
- no longer just a clean upper with a pile on the reverse side - but lots of structures

clockwise:  
Tessile  
Fiorentina,  
PrimaLoft,  
Seabreezs,  
Labtex

# Midlayer



- Doubleface qualities, highly elastic
- Marls, lots of mélanges
- New structures due to knitted jacquards, needle punch, honeycombs





clockwise:  
Texray,  
Schoeller,  
Premiere  
Fashion,  
Chia Her

# Softshell



- Broad range of looks, touch and function
- Structure! 3D patterns by heat embossing, honeycomb backings, face fabric with crinkle rip



clockwise: JRC  
Reflex, Solis,  
Schoeller, Long  
Advance

# Softshell



- Reflectives with merino backing
- Less hairy piles, more `neoprene look ` spacer fabrics
- Lots of double weaves
- Very soft and elastic qualities



clockwise:  
Basol, Mint Corp.,  
H-One Tex, Long  
Advance

# 3-Layer



- New colors, new structures: marls, melanges
- Even knitted outer fabrics or cotton blends on top and merino as backing
- highly elastic fabrics - almost softshells but tapeable and with best test results

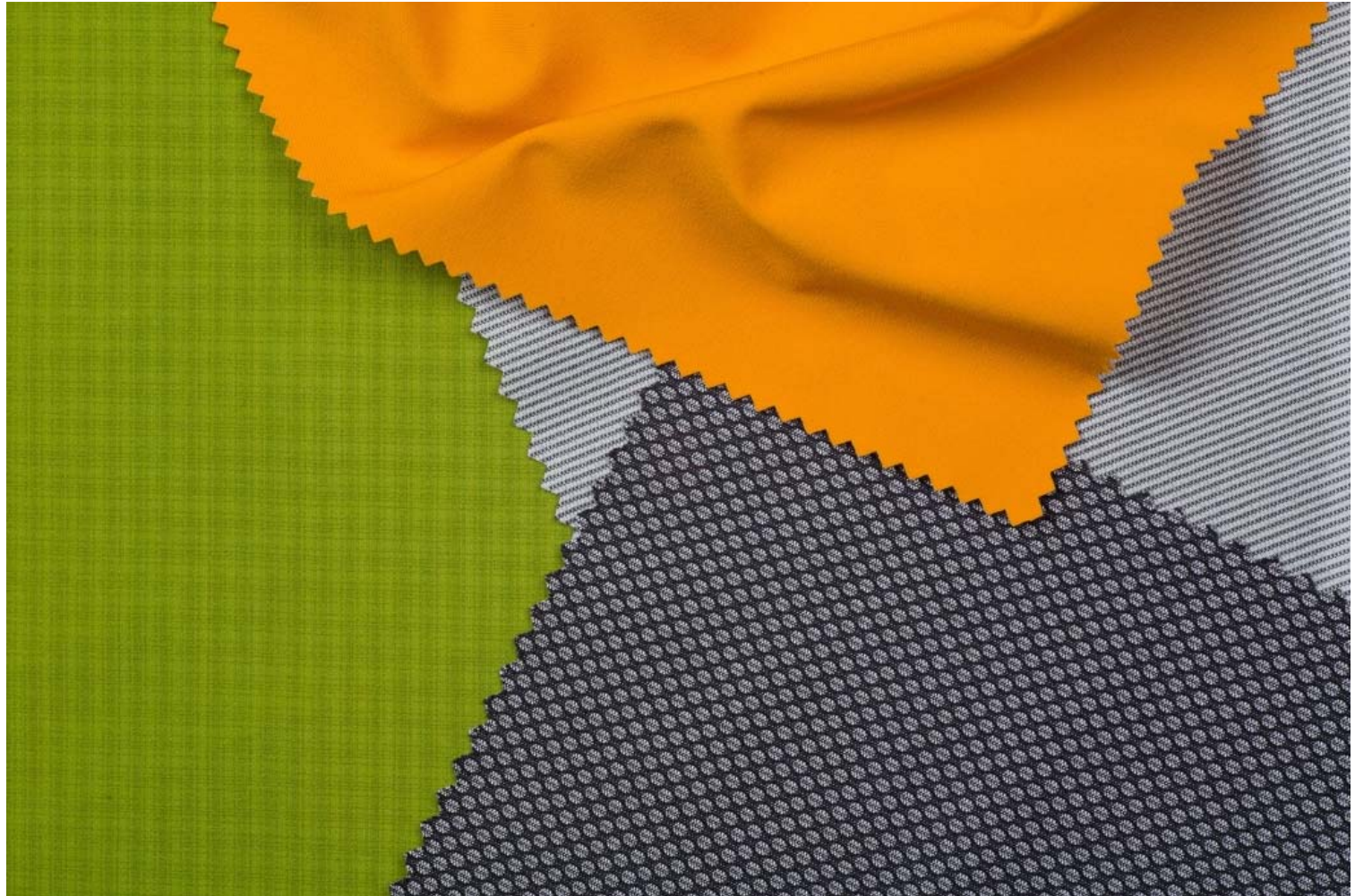


clockwise  
Dyntex, Long  
Advance, Long  
Advance, Premiere  
Fashion

# 3-Layer



- Structures!  
Mini stripes,  
caviar look,  
jacquards  
make the  
fabrics more  
vivid than  
ever before
- Top  
function: 7  
micron PU  
membrane  
as 3L  
construction  
(30K/50K)



clockwise: Hi-tex,  
Solis, Everest,  
Paltex

# Hardshells



- So called “New Basics” combine performance with a natural look
- Small jacquard patterns, melange looks, blurred marls
- Soft handfeel and natural touch due to mix of PA/PES with cotton

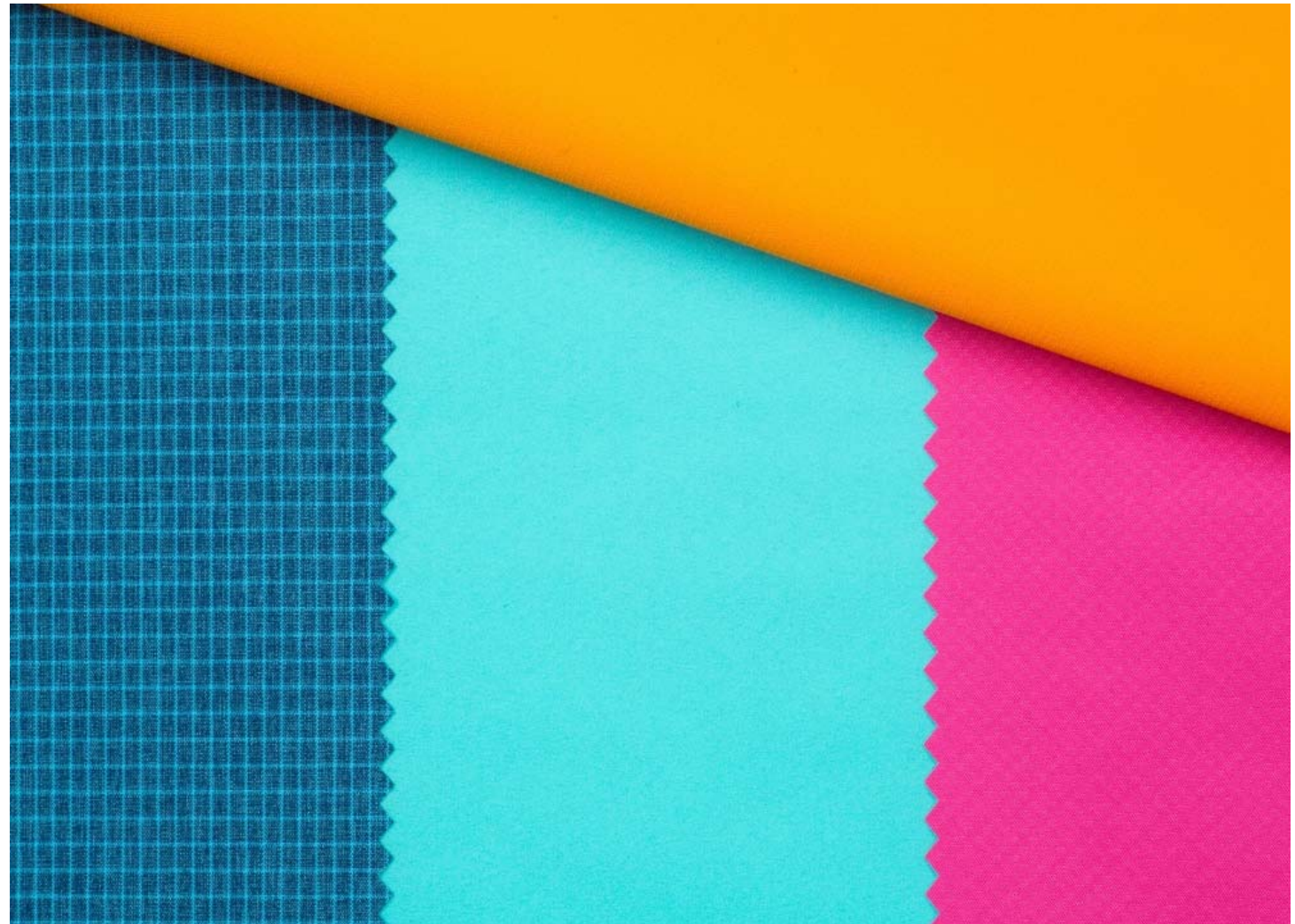


Clockwise:  
Sympatex,  
Allied Vogue,  
Seabreezs, Long  
Advance

# Hardshell



- Bright colors, sometimes with glossy yarns
- Fabrics are light and highly elastic, but with vivid structures
- Look-a-like ripstop coming from different colors of the yarns



Clockwise:  
Paltex, Huamao,  
Amaterrace,  
Premiere  
Fashion

# High Density Lightweight



- Extremely light functional fabrics, artful and refined
- Yet downproof, e.g. due to Y-shape yarns
- New: Digital printing on extra light PA fabrics
- Even reflective/luminous prints now on lightweight fabrics



# High Density Lightweight



Clockwise:  
Ho Yu Textile,  
Huamao, Long  
Advance,  
Amaterrace

- Xtra light 2,5 and 3-layer constructions
- Good handfeel, not too loose, papery touch
- Sometimes slight transparency
- Even 100% Cordura fabrics can be found





Clockwise:  
Ludia, Right  
Sports, Chia  
Her, Right  
Sports

# Shirt & Trouser



- Flannel looks for the shirts, but made of man made fibers
- Quick drying properties, UV protection, odor control
- Pants with merino blends

# Shirt & Trouser



- Perennial checks now as doubleface qualities
- All pants fabrics are elastic, even the heavy ones
- Functional denims

Clockwise:  
Yuan Ling, Chia  
Her, H-One Tex,  
Optimer Brands

# Casual



- All natural look: Lots of woolen fabrics
- Denims with DryRelease for more function

Clockwise  
Yuan Ling,  
Chia Her, H-  
One Tex,  
Optimer  
Brands



# Casual

- Shiny and glossy fabrics
- Fancy prints, digital printing on laminates
- Spacer mesh with 3D structure

Clockwise:  
Ludia, Right Sports,  
Chia Her, Right Sports



# Workwear



Clockwise: Huamao, Schoeller, Schoeller, Huamao

Clockwise: IBQ, Everest, Sunshine Knitting, Huamao

- Protection from skin to outer layer with cut or abrasion resistant materials, flame retardant, high visible- but soft and lightweight! (3L fabric = 150g/sqm)
- Strong fibers: Cordura, Dyneema, Aramid, Vectran - even for denims
- Different types of fabrics made of Cordura like fleece and piqué

# Accessories

## Topic 1: Trims



**TRIM & FASTENING SOLUTION**

YKK Europe Ltd.  
Booth: 318  
Small-size cam buckle



**TRIM & FASTENING SOLUTION**

Duraflex Group  
Booth: 519  
SIMPLX Belt Buckle 20mm



**TRIM & FASTENING SOLUTION**

Duraflex Group  
Booth: 519  
Xlite Pouch Cord Lock



**TRIM & FASTENING SOLUTION**

Wasa Sweden AB  
Booth: 100  
Nauric zipper

Topic 2: Transfer & Visibility

# Accessories



**VISIBILITY**

2nd Europe  
Booth: 431  
3M™ Scotchlite™ Reflective Material -  
C177 series



**TRANSFER**

Seripress  
Booth: 305  
GREENLIGHT DM154-4N



**VISIBILITY**

Seripress  
Booth: 305  
REFLECT HV DM146-3R



**TRANSFER**

Regline iQzinn GmbH  
Booth: 194  
i203 iQzooks glossytransfer GLITTER

# Accessories

## Topic 3: 3D and Linings



### LINING

ESF - European Stretch Fabrics  
Booth: 309  
TI 70 AIR PES



### 3 DIMENSIONAL

GB Textile Co., Ltd.  
Booth: 300  
G45-902FL



### LINING

Palitex Company Ltd.  
Booth: 418  
HVAD61



### 3 DIMENSIONAL

Yuan Ling Knitting Industrial Co., Ltd.  
Booth: 110  
YL-3D-131



# Performance Award



The PERFORMANCE AWARD goes to a very special accessory: "Block Tapey" from Morito is an excellent alternative to Velcro strips. The small pressure snaps work, holding just as well as Velcro while creating real eye-catching fashion. Looking like LEGO Blocks, this innovation is the perfect combination of function & fashion.

Block Tapey

