

# Trends in functional fabrics



kick off summer 2014  
update winter 2013/14

Presented by Performance Days/Ulrike Arlt

# waterproof/breathable



- extra lightweight, below 100g/m<sup>2</sup>
- mostly elastic by construction
- Very fine yarns, below 30 den
- natural touch

clockwise from top: New Trend,  
Premiere Fashion, Chamweal,  
Everest

# waterproof/breathable



- Cotton handfeel, soft and dry
- Full dull yarns
- jacquard structures
- Colors: many variations of blue to lilac

From left: Hyosung, Premiere Fashion, Limonta, Bristex

# softshell



- soft handle, textile feeling, natural look
- extreme elasticity
- soft tricot backings
- maximum function by using membranes

from left: Wide Plus, New Trend,  
LMA, Wertex

## 3-layer



- very light with 15 den for the outer and 10 den for the backing
- natural look but functional features: high abrasion, maximum weather protection
- textured yarns, no rustling or swishing noise

clockwise: Tamurakoma, Kolon,  
Labtex, Concordia

## fleece & brushed knit



- 3D structures on the back for good separation from the skin
- Hollow fibers for better climate comfort and lightweight
- Quick drying, anti-bacterial treatments

clockwise: piavemaitex, Hung's Fortune, Pontetorto, Labtex

## fleece & brushed knit



clockwise: A. Sampaio, Dolinschek, Fortune Textile,  
Becagli

- Very light for all summer sports activities, but with good volume
- Neutral colors & black for running & cycling
- Smooth and soft surfaces
- many different structures
- jacquards
- eyelet structures for quick drying
- back sides in contrast colors
- new natural look and handfeel

# lightweight



- functional fabrics below 30 gr/sqm
- windproof, waterproof up to 10k
- highly breathable
- elastic and downproof
- slight transparency
- structures as mini-ripstop

clockwise: Paltex, Erictex, Filltex, Wertex

# shirts & bottomweight



## Shirts:

- hot topic: plaid
- light fabrics with UV-protectio
- Quick dry materials

## Pants:

- extra light and elastic
- color and stretch are must-have features

clockwise: Chieftex, Wertex, Erictex, Long Advance

# knit



- highly elastic
- soft, smooth and silky
- carbon brushed
- UV-protection
- odor-free finish

clockwise: A.Sampaio, Riedel,  
Fieratex, LMA, Texpert

# knit

- extra light and soft on the skin
- many different structures
- quick drying properties
- soft compression with high elasticity
- new topic: summer wool

clockwise:  
IBQ, MYBE, Varied  
Wise, Chamweal



# fancy

- Variety of surfaces: rubberized, waxed, with a changing rainbow shimmer, or translucent
- rough appeal of cotton turns out to be a soft laminate
- rustic flannels with transparent coatings



clockwise: Frati, Dyntex, SianTex, Aiale

from left: Solis, Wide Plus, MITI, Achievetex



# workwear

from left:  
Alpex, Dyntex,  
Concordia,  
Filltex



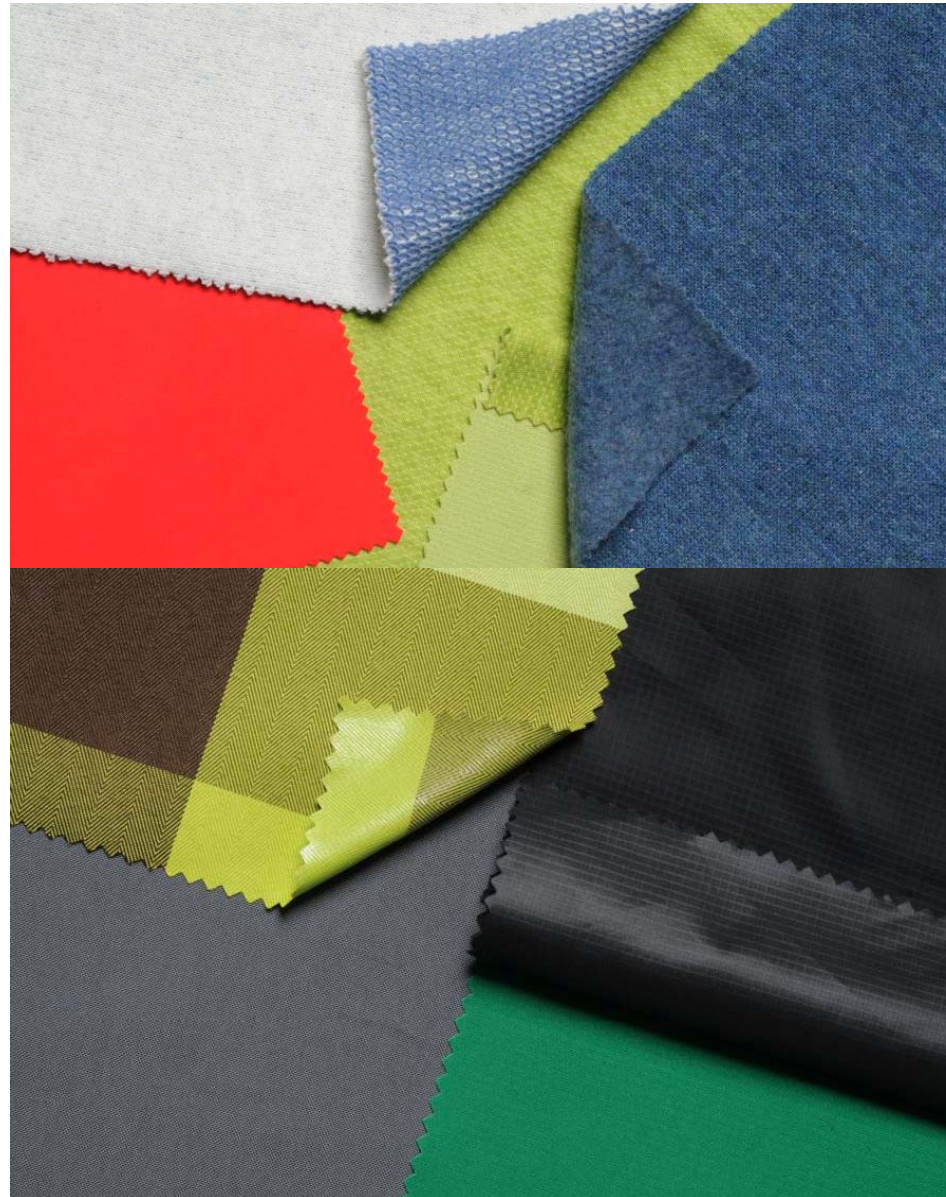
clockwise:  
Dolinschek,  
FOV,  
Piavemaitex,  
Ekoten

New dimension of  
comfort:

- fabrics feel soft on the skin
- offers protection while staying flexible and comfortable
- antibacterial properties for odor management
- quick drying fabrics
- UV protection
- high abrasion resistance
- flame retardant
- highly visible

## eco

clockwise:  
Aiale, Hung's  
Fortune, Sitip,  
Becagli



clockwise:  
Solis,  
Achievetex,  
FOV, EA Shinn

- Environmental considerations are implemented in a variety of ways:
- natural materials, recycled fabrics and fibres and recyclable ones, even recycled wool
- renewable natural fibres: organic cotton, tencel, coconut, bamboo, coffee...
- All types of functional fabrics shown here: membranes, laminates, fleece & knit...

# accessories

Madeira &  
YKK



Sealon

Primaloft &  
ACG



Regine

JRC



Société  
Cholestaise,  
fabric: LMA

# performance gate

keyword: lightness

- 3-layers or laminates for weatherproof jackets. 40g/m<sup>2</sup> or less. Elastic & downproof
- Woven or knitted lightweight stretch, windproof and water resistant for running or cycling

## performance award



La Fonte Rekord SAT  
Man Pad:

- New padding for cycling shorts
- SAT = Shock absorbing technology via open-celled, visco-elastic foam
- Absorbs bumps better than any previous available material
- Remains soft and supple if there is no shock

# Trends in functional fabrics



thank you for your attention!

Presented by Performance Days/  
Ulrike Arlt