

## The multiaxial module concept from Heimbach

*atromaxx.*

Heimbach – wherever paper is made.



## ATROMAXX – the multiaxial module concept

**ATROMAXX module,  
upper base layer**

woven,  
eg. single CD monofilament  
4-ply twist in MD



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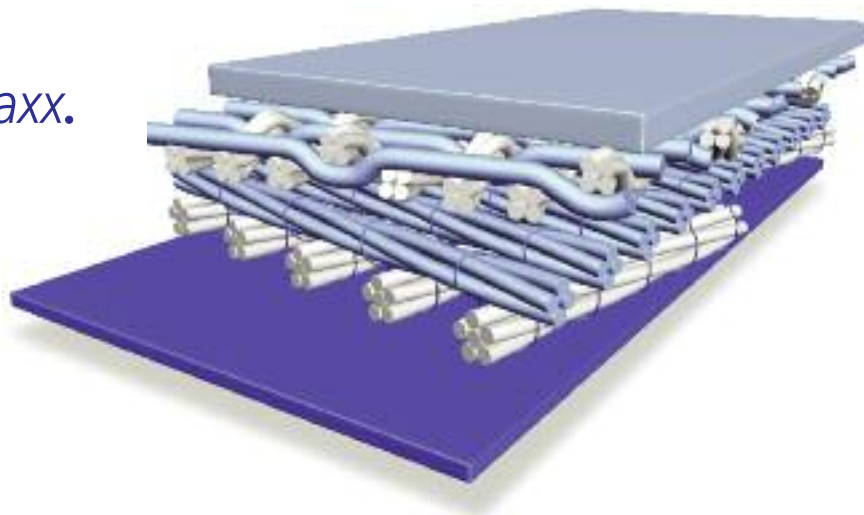
**ATROMAXX module,  
lower base layer**

knitted,  
eg. 4-ply twist in CD  
6-ply twist in MD



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# Total production reliability at the highest level

## Highest Regularity

- virtually no MD and CD structures
- Unique structural identity of base weaves resulting from multiaxial nature of all module combinations
- in total very regular profiles
- No 'loom-edges' in the ATROMAXX Modules

## Optimal base weave construction

- collapse of felt cross-section prevented by superimposed multiaxial module
- Significantly longer permeability retention
- Lighter weight and even after long life easier to clean
- Reduced risk of vibration
- Increased reliable felt life

## Secure Fibre Anchorage

- Highest structural identity of base resulting from multiaxial nature of all module combinations
- Therefore more intensive fibre anchorage

## Optimally selected modulus for precise application

- significant increased capillarity
- Therefore: more appropriate water carrying capacity of felt
- Therefore: possible variation of dewatering characteristics of the same felt
- Faster start - more efficient dewatering

## Optimal application of load

- Fine homogeneously structured surface and especially in the upper ATROMAXX module
- Pressing surface: optimally even and highly efficient application of load
- Maximum freedom from marking, reduced two-sidedness

## Easier Handling

- Optimal softness of felt combined with maximal stability and reliable resilience

## Effective 'Bridging Effect'

- Highest structural identity base in all module combinations
- Fine porous 'lattice' created over press roll holes or grooves
- Therefore: optimal pressure distribution
- Finely spread, even water distribution
- No shadow, hole or groove marking

## Various Modules – a Result: The perfect application-matched press felt

The precise individual selection of the modules leads to a perfection of application of each ATROMAXX press felt.

### The choice of module:

#### Base Layer

- Combination of only ATROMAXX modules (knitted + woven)

#### Materials

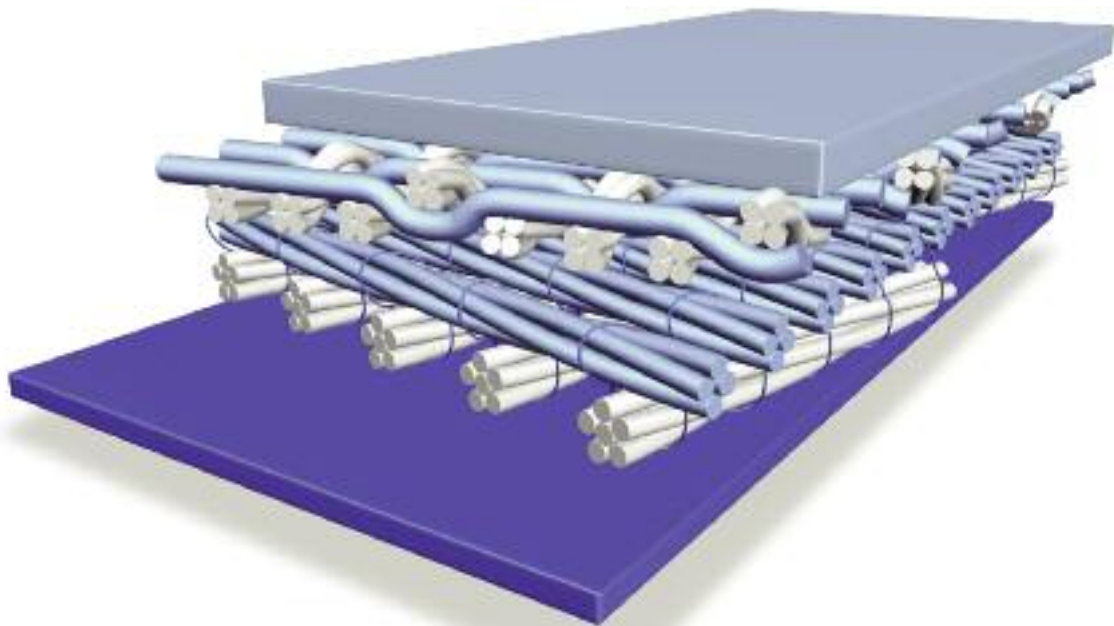
- Yarn quantity / yarn spacing
- Variations in twist
- Yarn material

#### Batt Surfaces

- all batt surface techniques available

#### Seam Construction

- ATROMAXX is also available with seam



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