

## The multi-axial module concept from Heimbach

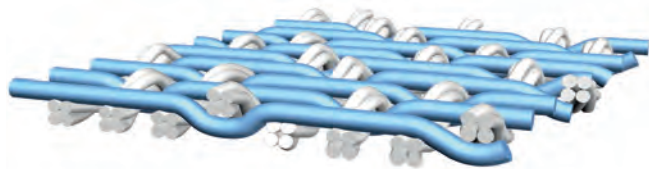
*atromaxx.*

Heimbach – wherever paper is made.



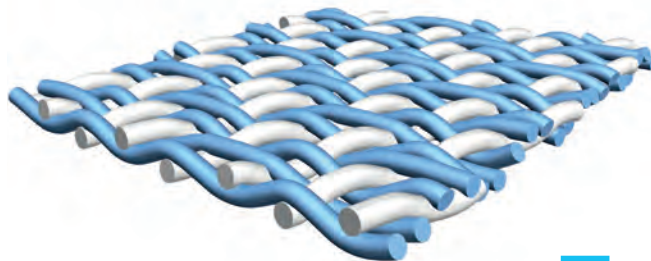
## ATROMAXX – the multiaxial module concept

**ATROMAXX module,  
upper base layer**  
eg. single CD monofilament  
4-ply twist in MD



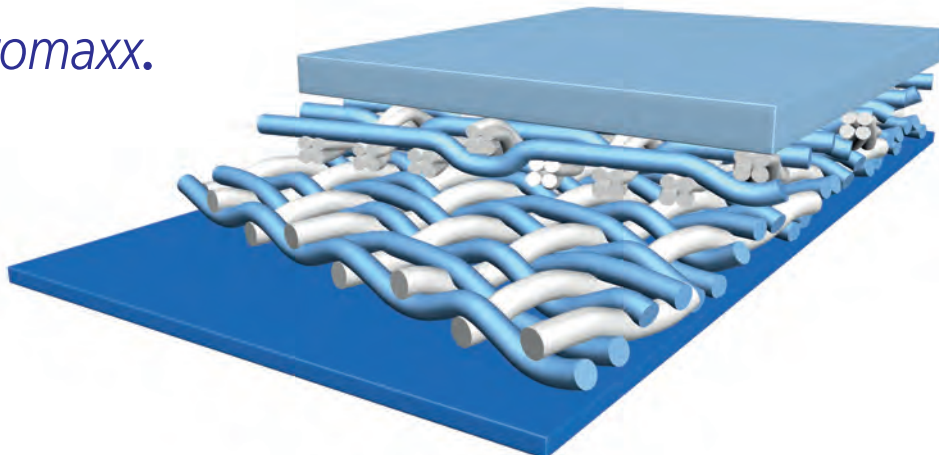
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**ATROMAXX module,  
lower base layer**  
eg. single CD and MD  
monofilament



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*atromaxx.*



# 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 modules
- 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

#### Batt Surfaces

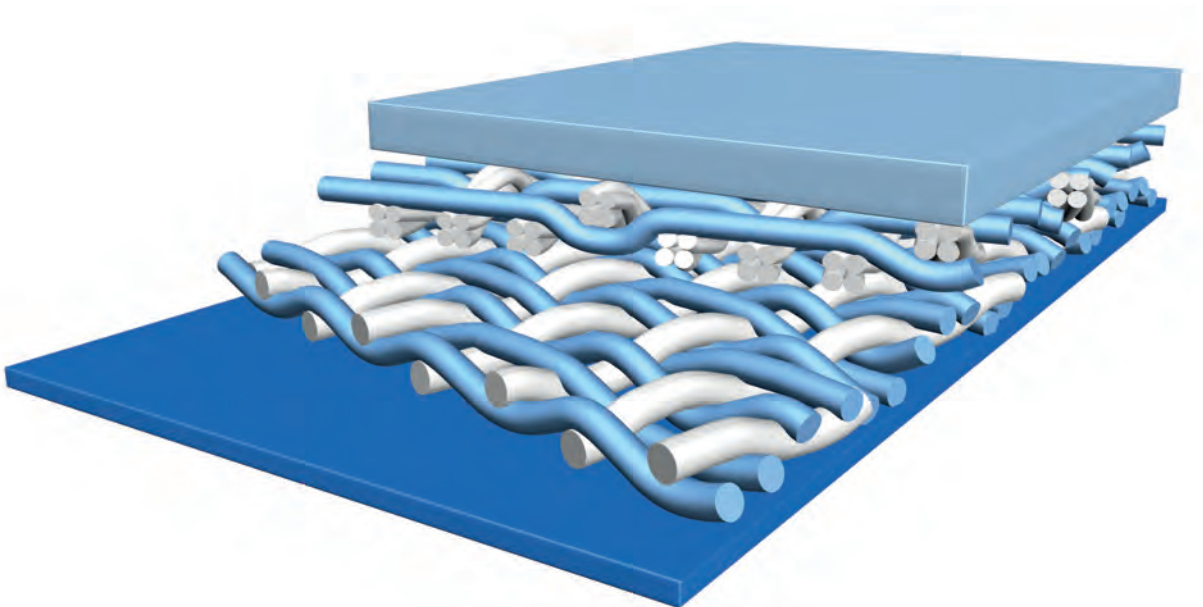
- All batt surface techniques available

#### Materials

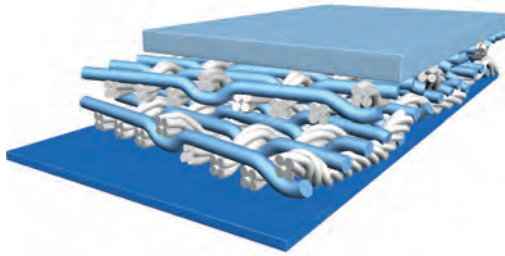
- Yarn quantity / yarn spacing
- Variations in twist
- Yarn material

#### Seam Construction

- ATROMAXX is also available with seam

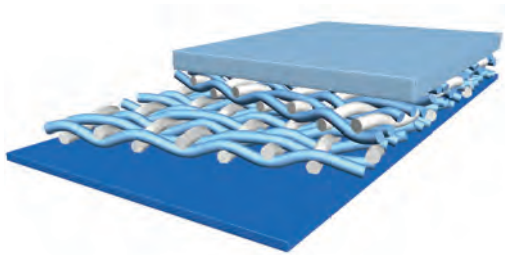


## Application examples



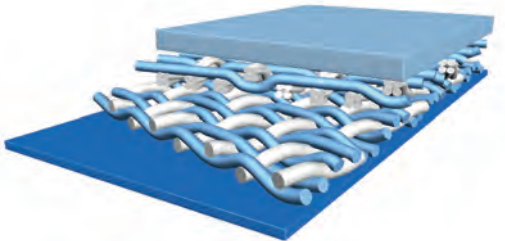
**1+1 design with 4-ply twists in MD and single monofilaments in CD.**

Use for all positions and grades.



**1+1 design with single monofilaments in MD and CD.**

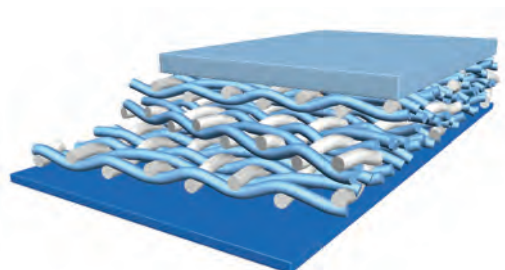
Use for applications where open felt is required.



**1+1 design. Top base layer: 4-ply twists in MD and single monofilaments in CD.**

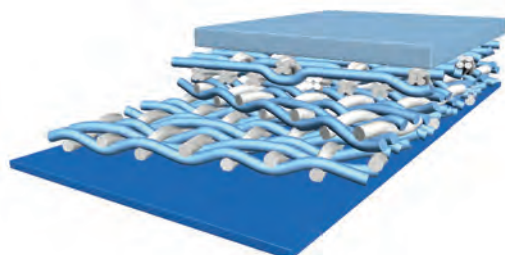
**Bottom base layer: single monofilaments in MD and CD.**

Good compromise of openness and fibre anchorage.



**1+1+1 design. Single monofilaments in MD and CD in all layers.**

Open felt with high void volume. Use for packaging grades.

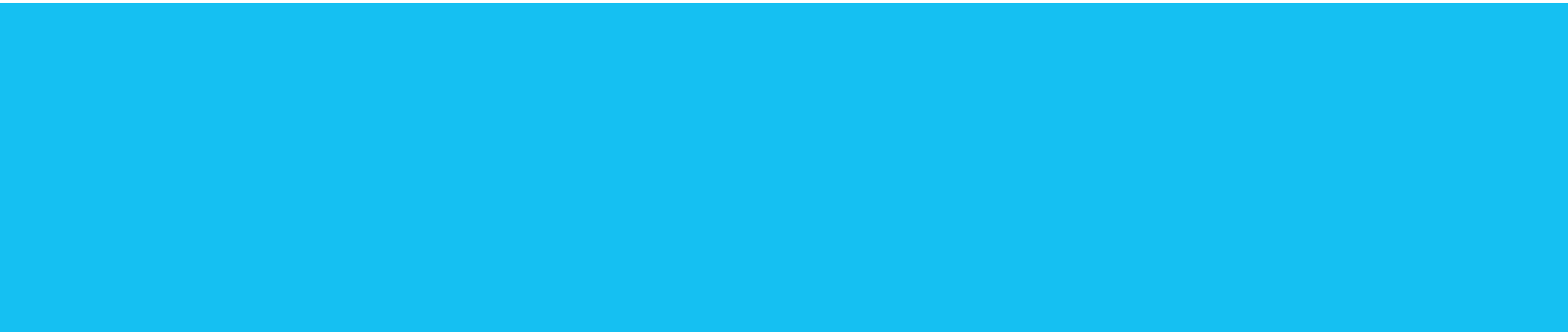


**1+1+1 design. Top base layer: 4-ply twists in MD and single monofilaments in CD.**

**Middle and bottom base layer:**

Pure single monofilaments.

Good compromise of openness, void volume and fibre anchorage.



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