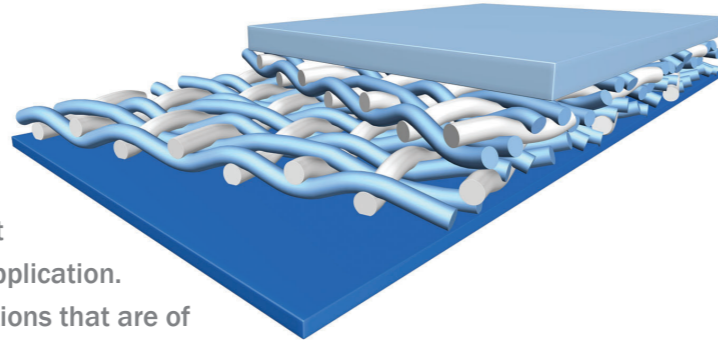


The all-rounder for packaging papers

The Atromaxx press felt family from Heimbach is your guarantee of efficient energy use in paper manufacture – no matter which paper grade you produce. The felts have long life times, excellent dewatering characteristics, offer great cost saving potential and are suitable for almost every application.

Atromaxx demonstrates a wide variety of design options that are of particular advantage in the manufacture of packaging papers.



Base weave modules make it possible

Atromaxx felts are modular: Heimbach combines various base weaves consisting of woven and/or knitted monofilament and yarns with fibre batts in various thicknesses, densities and refinements. Each module is tailored to meet the requirements of the customer. The base capillarity, void volume, permeability and compressibility of the felt is adjusted depending on the design. The optimum base design guarantees long and reliable life times with consistent machine performance and paper quality.

Multi-axial – ingenious!

Atromaxx can be used for manufacture of lightweight paper up to the heaviest grades of cartonboard. The all-rounder guarantees extremely efficient, constant and steady dewatering throughout the entire life time.

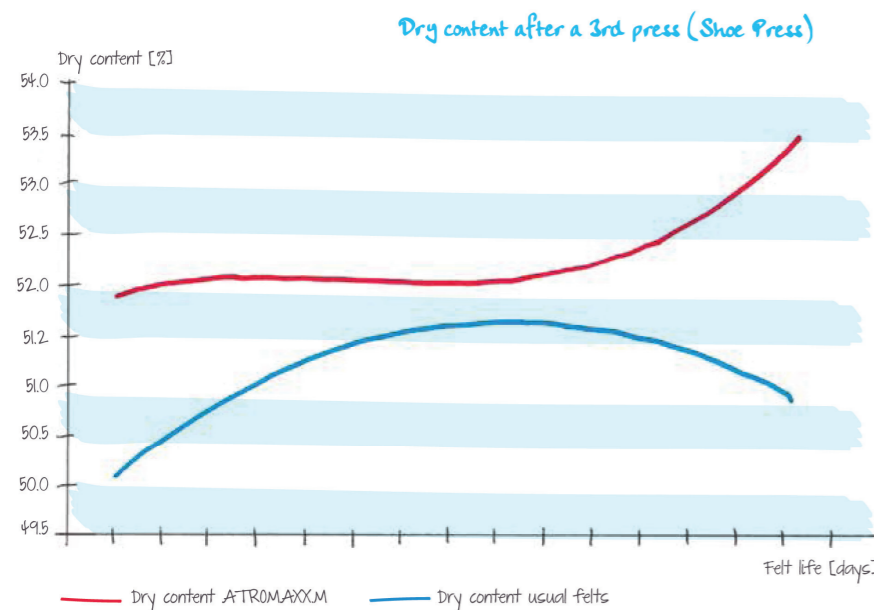
Furnished with a corresponding fibre batt, Atromaxx can be designed either to ensure excellent nip dewatering and provide rapid start-up characteristics or to significantly enhance Uhle box dewatering. The multi-axial structure ensures particularly even line load distribution and also guarantees optimum paper properties.

Master of packaging grades

The multi-axial construction of Atromaxx is extremely incompressible. This ensures sufficient void volume and an open structure to cope with the large amounts of water when producing brown paper grades. On the paper machine Atromaxx also provides excellent sheet transfer characteristics which results in significantly less sheet breaks. As a result of reduced downtime the drying cylinders can be operated more efficiently leading to energy and cost savings.

Efficient dewatering saves energy

Atromaxx is able to increase the nip dewatering to such an extent that it is even possible to turn off the Uhle box, which in turn eliminates the frictional force acting on the felt. Eventually, this leads to reduced pump and roll drive power consumption and substantial energy savings. The increased dewatering effect also ensures higher dry content and reduced steam consumption.



Benefits at a glance

- Energy savings through improved dewatering
- Extremely low marking potential due to the homogenous structure
- Faster start-up
- Longer and more reliable life times
- Tailor-made base weave modules for each application
- Optimum line load distribution

EXAMPLE 1

Paper grade: Fluting, Testliner (90-220 g/m²)
 Width: 3.00 m
 Speed: 1,100 m/min
 Pick-up: Atromaxx

- Increase in residual strength of 30%,
- longer life time (from 30 to 40 days),
- 3 felts less per year,
- 12 hours less downtime,
- **annual cost savings of over 60,000 euros.**

EXAMPLE 2

Paper grade: Sack paper (70-110 g/m²)
 Width: 7.50 m
 Speed: 950 m/min
 3rd press: Atromaxx.CONNECT

- Reduced steam consumption,
- lowered energy consumption at Uhle boxes due to optimum nip dewatering,
- less sheet breaks (50%),
- **annual cost savings of approx. 1,150,000 euros.**

EXAMPLE 3

Paper grade: Testliner
 Width: 8.00 m
 Speed: 1 250 m/min
 Pick-up: Atromaxx

- Reduced steam consumption,
- lowered energy consumption at Uhle boxes,
- faster start and more reliable life time,
- 30 hours less downtime,
- **annual cost savings of approx. 900,000 euros.** ■