Where optimization never ends
Infinity Press Fabrics
Highly durable press fabrics for steady-state operation
The Infinity Family

Infinity press fabrics have an especially uniform, high-quality base fabric that results in a laminated structure with the ability to maintain void volume throughout operation.

Our Infinity family is now available with cabled yarn in cross direction. It can be used as seam and endless. The cabled seam has the most efficient twist level in the base fabric with mono loops in the engineered seam area. Due to the cabled yarn batt anchorage is remarkably improved. In addition, it offers higher flexibility for easier endless installation which makes the handling even safer.

**Benefits**

- Steady performance over life time, reliable outputs
- Increased fiber anchorage
- Opportunity for optimized nip dewatering
- Reduces fiber loss even at the end of the felt life
- Part of AdvancedPRODUCTS

All Infinity Press Fabrics are available with our PeakElement technology
Fast installation: Engineered seam zone
Infinity products can be ordered with or without a seam. The Infinity seam loops are perfectly formed with identical loop length roundness and spacing.

Better sheet quality: Pressure uniformity
The base offers a high degree of contact points and base uniformity.

Clean run: High compressibility
The Infinity base interaction allows for high compressibility and resiliency to improve dewatering and keep the fabric clean.

Perfect fit: Extraordinary width stability
Due to the manufacturing process the base fabric provides excellent in-plane stability.

Quick start-up & steady state operation:
Desired machine speeds are reached faster due to the laminated structure of the fabric.

New cabled yarn:
Due to this new material and technology, the fiber anchorage will be highly improved.

Infinity Family

Infinity 2 & 2S  Infinity 3 & 3S  Infinity 4 & 4S

Infinity Res & Res S  Infinity Advance & Advance S
Infinity 2 & 2S

Dynamic press fabric for fast start-up

Quick installation, short break-in times and maintained drainage are the key to reach production goals. The Infinity 2 & 2S is the best press fabric for all press sections including straight through, cluster or shoe presses to reach production and quality goals at the same time.

Records are set in the press section!

Construction

1 Fast start-up
   - The two layer compressible, resilient laminated bases provide fast fabric saturation

2 Dryness
   - Base uniformity maintains sheet characteristics and more contact points improve drying

3 Easy seaming
   - Seam loop spacing and shape allow quick installation and time savings in the range of 25%

Paper Grades
- graphics: coated, uncoated
- board, packaging
- tissue, bathroom, towel

Applications
- all press position

Infinity 3 & 3S

Great dewatering and sheet smoothness

The special talent of the Infinity 3 & 3S is to adjust to the water handling needs of each application while maintaining optimum sheet contact.

The adatable Vector layer gives fast start-up and a clean run. As with all of the Infinity Series it is easy to seam and a fast installation is guaranteed.

Construction

1 Performance
   - The three layer laminated modular structure for high, medium & low water volumes

2 Better paper
   - Tailored Vector top layer for uniform nip pressure, improved moisture profiles and better paper quality

3 Easy seaming
   - Seam loop spacing and shape allow quick installation and time savings in the range of 25%

Paper Grades
- linerboard
- corrugating medium
- boxboard
- coated and uncoated freesheet

Applications
- all press position
**Infinity 4 & 4S**

**Built for challenges**

The Infinity 4 & 4S can play a major role in your press section. This 4 layer modular composition of the Infinity family is at home in the rough conditions of any paper mill press section to defend paper quality and paper machine efficiency. A very sturdy felt that is consistent over lifetime and focused on results giving highest water removal volume and targeted performance at any speed range.

**Construction**

1. **Dewatering**
   - The laminated modular structure resists compaction for maintained drainage

2. **Versatility**
   - Tailored bases can be finetuned for smoothness needs

3. **Durability**
   - Laminated structure is extremely durable for high load positions

**Paper Grades**
- graphics: coated, uncoated board, packaging
- pulp

**Applications**
- Shoe Press, Jumbo Press, LNP

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**Infinity Res & Res S**

**Extraordinary width stability**

The ability of the Infinity Res & Res S runs in a variety of press sections providing a wide operating window on water removal levels and press load options. The specially developed high-tech Res layer delivers outstanding resiliency, providing the press section a smooth and efficient run. Key benefits are high compressibility, resilience and vibration resistance to improve dewatering and keep the fabric clean.

**Construction**

1. **Dewatering**
   - Due to its modular design the fabric reaches saturation in the mid nip which allows for increased drying

2. **Versatility**
   - The ability to maintain void volume eliminates the chance for crushing and allows for increased life up to 34%

3. **Durability**
   - High-tech Res layer has outstanding resiliency providing the press section smooth and efficient run. Vibration reduction in the range of 50% is possible

**Paper Grades**
- CFS, UCFS, LWC, MWC, SC
- containerboard

**Applications**
- All positions prone to vibrations
- LNP press
Infinity Advance & Advance S

Controlled dewatering

Infinity Advance manages dewatering and sheet quality in your process. Controlled dewatering in the press section can increase your dryness after press for more than 1% and save a lot of dryer energy.

Construction

1 Dewatering
   The fine top base combined with the rigid bottom base provides consistent uhle box dewatering

2 Performance
   High pressure uniformity gives higher water removal from the sheet

3 Easy Seaming
   Seam loop spacing and shape allow quick installation

Paper Grades
   • CFS, UCFS
   • corrugating medium
   • foodboard, boxboard

Applications
   • Shoe / LNP / Tandem Press
The Infinity Family

- **Infinity 2 & 2S** Dynamic press fabric for fast start-up
- **Infinity 3 & 3S** Great dewatering and sheet smoothness
- **Infinity 4 & 4S** Built for challenges
- **Infinity Advance & Advance S** Controlled dewatering
- **Infinity Res & Res S** Extraordinary width stability

Coming up soon...

- **Infinity** available from winter 2017
- **Infinity** available from spring 2018