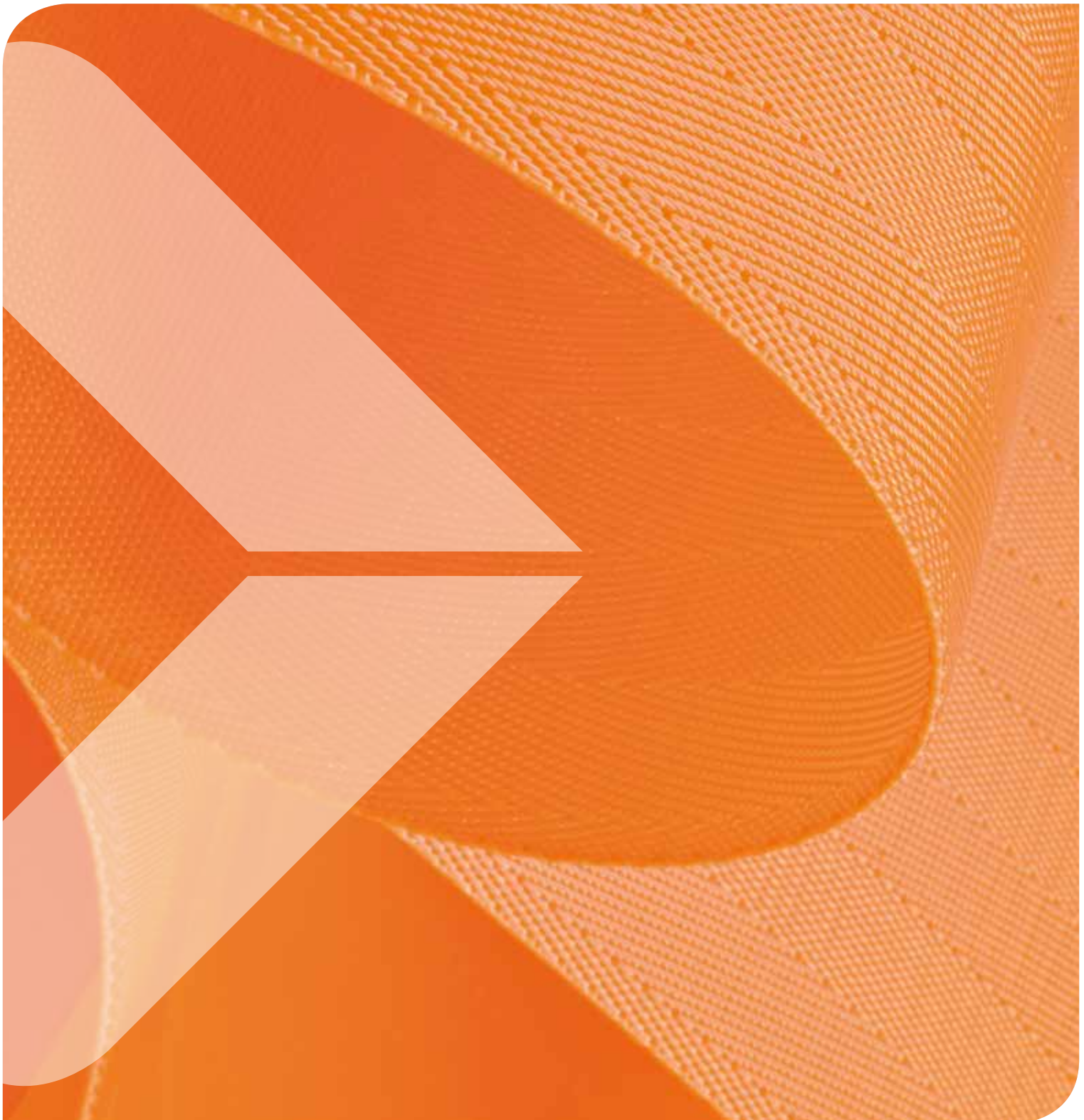


## **Tamfelt belt filter fabrics**

Innovative solutions for demanding filtering needs





## A perfect match: Your belt filter and our high-quality fabrics

The demands placed on the filter media used in today's chemical and mining industries, as well as in community and industrial sewage treatment plants, are continuously growing. The right choice of filter fabrics makes a big difference. A lot is required from these materials: filter fabrics have to endure high temperatures and difficult chemical environments. They must also be able to filter different sludges and supply you with clear filtrate, excellent cake release and a dry cake. With Tamfelt filter fabrics, such as the strong and reliable StrongMax and dynamic DuoMax, it is easy to overcome these challenges.

### **StrongMax – ready for heavy duty**

StrongMax is Valmet's family of heavy monofilament fabrics. The extensive product range covers various applications in waste water treatment plants, the chemical and mining industries and flue gas desulphurization (FGD) units in coal-fired power plants.



*StrongMax*

### **Felts and multifilament fabrics – absolutely the finest**

If you need to filter extremely fine particles, the Tamfelt range of needed felts or multifilament fabrics are the right choice. Valmet manufactures a wide range of these products for the very finest filtration needs.

### **DuoMax – exceeding expectations**

DuoMax is Valmet's product family of double-layer fabrics for horizontal vacuum belt filters. They combine high flow capacity and fine particle capture efficiency with durable construction. The extensive product range covers various chemical, mining and refining industry applications.



*DuoMax*



Tamfelt belt filter fabrics - the right solution for every application



Original Tamfelt belt filter fabrics are now part of Valmet's product offering



Tamfelt belt filter fabrics benefits:

- Lower cake moisture
- Higher capacity
- Longer running time
- Stronger edges and seams
- Less fabric blinding
- Stable runn-ability without wrinkles

### Horizontal vacuum belt filters

Using the best possible raw materials extends the operational life of belts to the maximum. In Valmet's product range, there is an optimal solution for every pH range and for various permeabilities – from dense multifilament fabrics, needled felts and DuoMax fabrics to very open StrongMax mesh, depending on the particle size to be filtered. These Tamfelt fabrics do not cause any stretching or blinding problems. You will find a suitable solution for each application and condition.

### Belt press filters

The high wear-resistant StrongMax products are ideal for belt press filters. These heavyweight fabrics are made of special yarns that prevent fabric blinding and extend belt life. Rapid draining and good filter cake release are the basic features of these fabrics.

### Linear screens

We offer linear screen fabrics manufactured from the strongest materials available on the market. Their accurate openings provide you with an even and continuous production process.

### Conveyor belts

The StrongMax monofilament fabrics are also suitable for conveyor belts in the chemical and food industries. Valmet's high quality heat setting process ensures that these fabrics will not shrink or stretch in your application. The fabrics also feature high wear resistance and stable belt behavior.

### Known for high quality and R&D

You can always count on Valmet for high quality because we make all our fabrics in our own modern production facilities with the latest manufacturing technology, where we also have our own R&D laboratories. Having manufactured technical textiles for over a hundred years, we know the business inside out and are also ISO 9001 and ISO 14001 certified.

By cooperating closely with the world's leading filter manufacturers, and by exchanging information with them, we gain invaluable insights into the filtration processes and their future developments. This is one of the key reasons why Valmet's Tamfelt range of filter fabrics match your requirements to the smallest detail and provide you with the best filtration results, both technically and economically.

The history of the company goes back to the year 1797 when governor Ernst Gustav von Willebrand established Jokioisten Verkatehdas (Jokioinen woollen and worsted mill) in Jokioinen, Finland. In the beginning the company manufactured traditional textiles. In order to survive in the tightening competition, the mill started to make felts for papermaking in 1882.



Filter fabric manufacturing started in 1965. The name of the company has changed couple of times over the past years (**Verkatehdas, Tamfelt, Metso, Valmet**) but the expertise and excellent quality of the products have remained unchanged. Long term cooperation with filter suppliers, customers, universities and research institutes has made us one of the world's leading suppliers of filter fabrics.