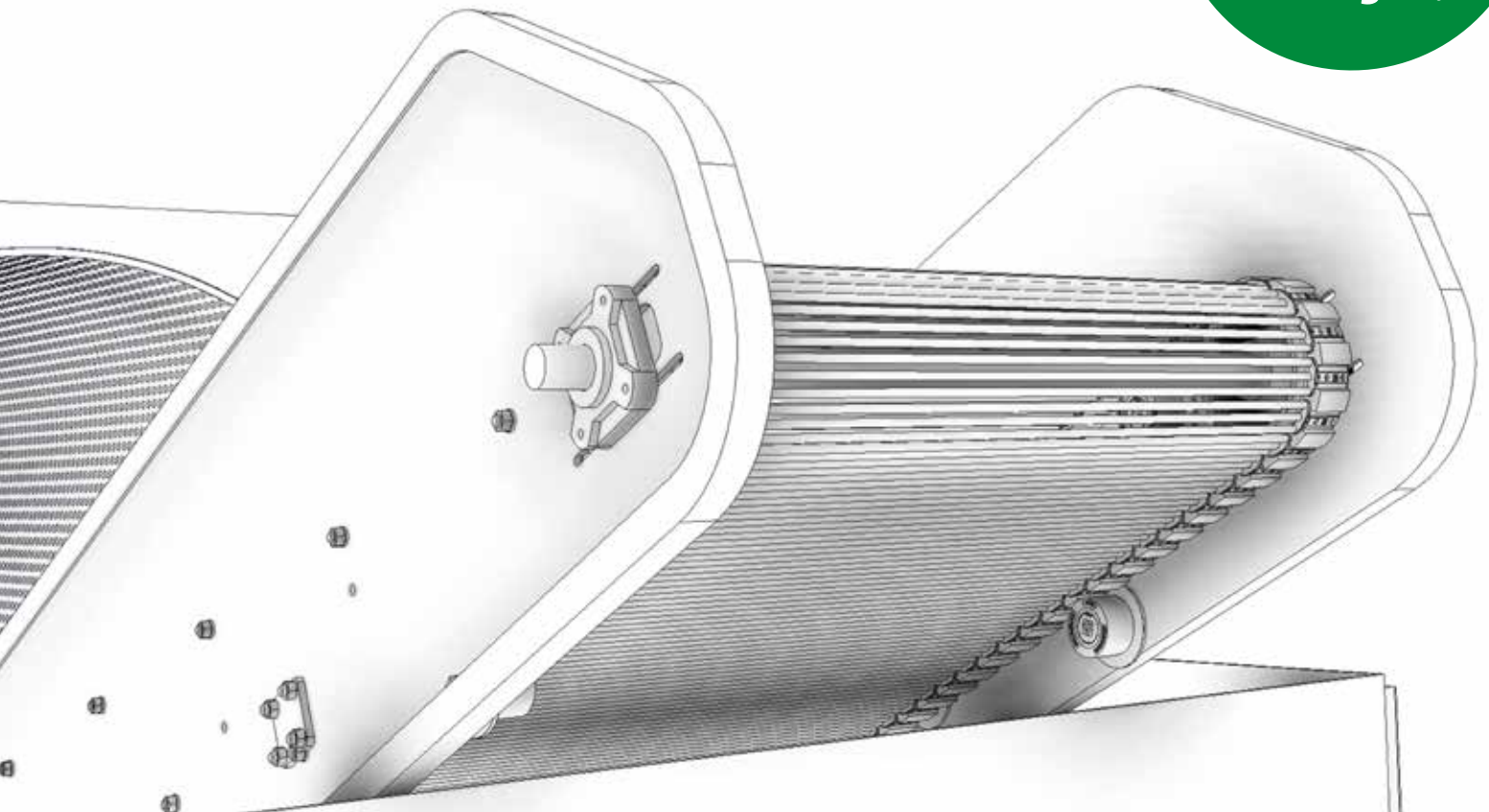


FlexiBelt TN1000/2

Flexibility is the future!

More
flexibility
and tensile
strength!



Traction belts often determine the life span of webs in a negative way. Most traction belts have 3 textile inlays to achieve a certain tensile strength. However, there are many applications where a web is loaded more on flexibility than on tensile force, such as web in the processing industry, webs that run 24/7, webs that are driven by S-drives, that go over smaller pulley diameters, or for example pintle webs. The FlexiBelt was developed by Broekema for these types of webs: much more flexibility while maintaining the tensile strength!



FlexiBelt TN1000/2 is a new type of traction belt aimed at an optimal combination of tensile strength and flexibility. This belt is ideally suited for webs with both positive and negative bends; webs where a small nose roller is used to limit drop heights, for example, or webs that are continuously loaded and 'don't have time to catch their breath'.

The FlexiBelt TN1000/2 is much more flexible than any of our other traction belts. As mentioned, in many cases the life of a web is not determined by the tensile strength of the belts, but rather it is the degree of flexibility that determines its life.

The FlexiBelt is a traction belt that consists of 2 fabrics with a tensile strength of 500 Newtons per mm of belt width, a total of 1000 Newtons. Whereas with 3-ply belts the middle ply is the neutral line, with the "FlexiBelt" TN1000/2 the neutral line lies between the two plies. In a belt with a 3-ply fabric package, both the outer and also the inner ply is compressed or stretched together at every turn, no matter how small. By omitting 1 ply in the belt package, both remaining plies are stressed less, resulting in less stress in the belt, and a much smoother character.

The FlexiBelt has now proven to be a better option than 3-, or 4-ply belts in situations where brute force is not an immediate issue. We have tested webs with these belts extensively and over a long period of time at potato and vegetable processing plants.

For a wide range of applications, the deployment of FlexiBelt will extend life time. This means less maintenance and a lower risk of process downtime. Being able to skip one or more maintenance intervals saves time and money.

For more information and pricing, contact us or check our website.