



LVP Bag opener

Customer: **Tönsmeier Wertstoffe GmbH & Co, Germany**
 Facility: **M&J PreShred 4000 LVP Bag opener**
 Capacity: **26 tons/h**



"Metso has provided us with a convincing shredder, winning on performance, wear and durability. It leaves the material uniformly, which ultimately reduces our cost to pre-crush oversized components."

Mr Berlekamp, managing director at Tönsmeier Wertstoffe GmbH & Co



Challenging fraction to sort

In Germany it is common to divide garbage into different groups instead of throwing everything into the same bin. In the so called yellow bag or bin goes all packaging such as empty tins, plastic packages, or beverage cartons as those can be recycled. This mixed sorting demands a shredder/bag opener that does not shred more than absolutely necessary. Tönsmeier, a leading German waste management company within the packaging waste segment with plants in Porta Westfalica and Oppin, therefore contacted Metso to get the right solution. They ended up with an M&J PreShred 4000 LVP Bag opener and it has proved to be a perfect tool for obtaining a homogenous output that is easy to sort without generating a lot of fines - and without spoiling the valuable recyclables in the waste stream.

All in one treatment

Another factor, which is extremely important, is the up time. The fractions in the yellow bag and bin gives a complex material stream with hard and soft plastics in a beautiful combination. This makes life difficult for the traditional bag openers without any shredding capabilities. However the M&J PreShred 4000 allows Tönsmeier to process all the waste collectively at their sorting facility, regardless of whether it comes from a bag or a bin.

The fact that the M&J 4000 works as a bag opener, a shredder and dosing equipment ensures a high availability rate. And it limits stops in the sorting line to an absolute minimum.

The company

Tönsmeier Wertstoffe GmbH & Co is a family-owned company head-quartered in Porta Westfalica in the North Rhine-Westphalia region of Germany. The company is one of the largest private waste management companies in Germany and offers a broad range of modern environmental services across Europe. They have over 3,500 employees based out of 70 locations - including almost 30 processing plants.

"Bag opener makes recycling much easier"