CUSTOMER
Saubermacher Dienstleistungs AG

MATERIAL
Commercial and Bulky Waste

THROUGHPUT
25 t/h < 80 mm

SHREDDER
XR3000C
Saubermacher Dienstleistungs AG is an international waste management and recycling company with its headquarters in Feldkirchen near Graz, Austria. The sorting facility in Vienna processes 90,000 tonnes of commercial and bulky waste into alternative fuel for the cement industry. Because of new market demand, the company was looking for a robust, energy-efficient single-pass shredding solution and after a successful test, the decision was made on the XR3000C.

The company needed a single-pass process for turning commercial and bulky waste into particles of size smaller than 80 mm at a throughput capacity of 20 t/h. In addition, the entire facility is operated in three shifts and therefore requires the shredder to be highly reliable.

The shredder also has to be highly resistant to foreign objects because a massive amount of non-shreddable items are found in the waste feed material almost every hour. These foreign objects can be quickly eliminated via the discharge system for non-shreddable items, resulting in the entire facility requiring only a short downtime. An additionally installed safety coupling protects the cutting system and the drive train from damage.

In the multi-shift operation, the efficient UNTHA Eco Drive system helps to keep energy costs low. The energy consumption has been reduced significantly compared with the machine that was previously used.

“The goal of this investment was to find a robust, high-performance shredder that can reduce our commercial and bulky waste in a single-pass to particles of size less than 80 mm at a throughput capacity of 20 t/h. After seeing a few demonstrations of shredders by various manufacturers, we decided to purchase the XR3000C – because this machine left us with the best impression. Another important aspect was the efficient drive design, which we like very much. The design has proved itself in the meantime. We were able to significantly reduce our energy consumption compared with the machine used previously.”

Wolfgang Kremsl
(Head of Investment and Technology International)