

CUSTOMER
**Saubermacher Dienst-
leistungen AG**

MATERIAL
**Commercial and Bulky
Waste**

SHREDDER
XR3000C

THROUGHPUT
25 t/h < 80 mm



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“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)

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The Customer

Saubermacher Dienstleistungs AG specialises in the disposal and processing of recyclable materials. The company operates in more than 7 countries and employs 3350 people. At the splitting facility in Vienna, 90,000 tonnes of commercial and bulky waste are processed into alternative fuels for the cement industry every year.

The challenge

In line with new market requirements, the company was looking for a robust, energy-efficient single-phase shredding solution to turn commercial and bulky waste into a fraction of less than 80 mm, at a throughput rate of at least 20 tonnes/hour. The plant is operated in three shifts, requiring a high level of reliability for the shredder as well as high resistance towards non-shreddables, which appear in the material processed to a large extent almost on an hourly basis.

Shredding solution

After a successful test run, the company decided in favour of single-phase shredding of commercial and bulky waste using the XR3000C. Non-shreddable objects, a frequent occurrence in these material flows, are removed speedily and safely via the dedicated exit door. As the rotor runs at slow speed, it stops immediately when a non-shreddable is encountered, protecting the cutting system from serious damage. As the cutting chamber is easily accessible, the shredder is fully operational again in no time, ensuring a high level of plant availability.

The strength of the UNTHA Eco Power Drive is reflected in low energy costs, which become particularly apparent in a 3-shift operation. The hard surfacing of the rotor significantly increases its availability, especially with abrasive materials.

The purchasing decision

After the company had tested several shredders, they finally opted for the XR3000 C. Non-shreddable objects are easily removed via the dedicated exit door, reducing downtime for the entire plant. An additional safety coupling protects the cutting system and the power train from damage caused by non-shreddables.

The highly efficient UNTHA Eco Power Drive lowers energy costs, in particular in multi-shift operation, and has significantly reduced energy consumption compared to the previous unit.

Saubermacher

