

ZR2400 & XR2000 – IDEAL MATERIAL SEPARATION IN RECYCLING

Groupe Demain

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We have been working with an UNTHA shredder since 2011. Our first shredder was a RS 100. To expand our capacity and recycle more types of materials, we have now opted for a ZR2400H and a XR2000C. They serve as the starting point for our processing lines and do a great job.

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» MATERIAL

Household appliances (small, large) / hard plastics

» SHREDDER

ZR2400H / XR2000C

» THROUGHPUT

10 t/h / 3–14 t/h





CUSTOMER

Group Demain, based in France, was founded in 1993 and, as an integration and recycling company, combines social efforts with the desire to conserve resources and promote the circular economy through recycling. The company employs approximately 220 people and recycles over 22,000 tons of hard plastics, electrical and electronic scrap per year.

APPLICATION

A RS100 had been in use at Group Demain since 2011 to shred electrical and electronic scrap and prepare it for subsequent processing steps. When the company decided to expand its capacity and invest in two new plants, UNTHA was once again the first choice. In addition to small electrical appliances, large household appliances and hard plastics also had to be shredded.

SHREDDING SOLUTION

The company opted for UNTHA ZR2400H and XR2000C shredders for its two processing lines. The ZR is used to process vacuum cleaners, fitness equipment, washing machines, and garden tools, among other things. The H-cutting system ensures efficient pre-shredding of the material to a particle size of less than 300 mm. The shredder can process up to 10 tons per hour. Group Demain uses a XR2000C for shredding hard plastics. It is operated alternately with two different perforated screens (40 or 90 mm diameter) to process different materials. Depending on the material and the perforated screen used, the XR can shred 3–14 tons per hour. The C-cutting system is equipped with two rows of knives and has been additionally welded to prevent wear. Both shredders are used as pre-shredders at the beginning of the processing lines. They ensure optimum material breakdown, which enables subsequent sorting and further processing.

REQUIREMENTS

- » High throughput
- » Shredding of different materials
- » Feeding by wheel loader and feed conveyor belt

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UNTHA provided us with the perfect shredders, Proxirec took care of the planning, and Groupe EMIG provides service support. We are therefore well looked after in every respect and are very satisfied.

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— Emmanuel Troubat
Operations Manager at Groupe Demain