



The reliable brand!

Customer Success Story

CUSTOMER
VPK packaging group

MATERIAL
Pulper Ropes

THROUGHPUT
6 t/h < 50 mm

SHREDDER
XR3000C



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“We were looking for an on-site solution for the treatment of our pulper residues, a difficult to handle mixture of waste plastics and metal wires. After an extensive comparison of different potential machines we chose for the UNTHA XR3000C. Important criteria were the capacity, low speed, high torque and an acceptable maintenance cost.

The project, apart from the shredder, consisted also of peripheral equipment such as conveyors and metal/plastics separation. It was engineered and delivered in an efficient and correct way with a very satisfying result.”

- Johan Dhaese (Group Energy & Environment)

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The customer

VPK packaging group is an international business headquartered in Belgium, specialising in the production of cardboard and corrugated board packaging. The company employs 6200 people at its 65 sites.

The challenge

The Belgian cardboard manufacturer VPK packaging group produces several tonnes of waste – pulper ropes, to be precise – on a daily basis. In the past, these had been handled by a local waste disposal firm. In future, however, the company will process and separate its own pulper ropes, burning them as alternative fuels, to produce energy for the paper production process.

The project requirements specified a slow-running, single-phase solution with a throughput of 6 tonnes/hour and a fraction smaller than 50 mm.

Shredding solution

The company opted for the XR3000C, including conveyor technology for material removal and an overbelt magnet for removing metal parts. The pulper ropes are shredded to a fraction size of less than 50 mm in a single-phase process.

The single-phase shredding process yields a particularly good material breakdown, which means that the overbelt magnet is able to extract pure metal from the shredded material. The metal content is then sold to scrap merchants.

The purchasing decision

The cutting system ensures a particularly good material breakdown. The final product is an alternative fuel separated into groups of identical materials and scrap metal with few adhesions. Single-phase shredders have fewer components than multi-phase shredders, making them easier to service and reducing personnel and operating costs.

In addition to the energy-efficient UNTHA Eco Power Drive, the XR series offers a high level of maintenance and service friendliness.

