

**UNTHA**

shredding technology

The reliable brand!

**SCHENKER**

# SHREDDING OF AGRICULTURAL FILMS AND RIGID PLASTICS

Schenker Industrie- und Städtereinigungs GmbH

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*The UNTHA XR3000RC mobil-e combines all the features we need for shredding different materials: Thanks to the RC cutting system, the feed behavior is optimal even with difficult materials, and the output always has a consistent quality. At the same time, the shredder is energy-efficient and low-maintenance.*

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## » MATERIAL

Hard plastics, agricultural films, waste wood

## » SHREDDER

XR3000RC mobil-e

## » THROUGHPUT

Hard plastics – 20 t/h

Agricultural films – 10 t/h

Waste wood – 30 t/h





## CUSTOMER

Schenker Industrie- und Städtereinigungs GmbH is active in the fields of waste disposal and recycling as well as the production of substitute raw materials and fuels (RDF). The company site covers over 105,000 m<sup>2</sup>. 13 independent recycling plants ensure the processing of waste materials in order to return them to the material cycle, reduce CO<sub>2</sub> emissions and save raw materials. The company processes up to 150,000 tons of materials such as scrap, plastics, waste wood and commercial waste every year.

## APPLICATION

For the optimal recycling of waste materials such as hard plastics, (agricultural) films, production residues, waste wood and bulky waste, it is important to shred them to a homogeneous grain size. Hard plastics and films are highly viscous and sometimes contain metals (bows, composites), making them difficult to process. Schenker was therefore looking for a shredder with a cutting

system that ensures optimum material intake, is insensitive to impurities and at the same time produces a uniform starting material. The shredded material is processed into RDF or recycled.

## SHREDDING SOLUTION

After several weeks of testing, Schenker opted for the UNTHA XR3000RC mobil-e with a 90 mm perforated screen. This shredder processes different materials into a homogeneous material in just one pass. The overbelt magnet on the discharge conveyor sorts out metals. The RC cutting system precisely meets the company's requirements because it efficiently draws in the material, ensures precise and consistent shredding and is also low-wear. Another special feature of the XR3000RC mobil-e is the energy-efficient UNTHA Eco Power Drive, which is up to 70 percent more economical than comparable diesel engines. Thanks to the crawler-type undercarriage, the XR can be moved flexibly around the company

site to wherever material is waiting to be shredded. This reduces internal logistics with trucks.

## REQUIREMENTS

- » Shredding of different materials
- » Homogeneous starting material
- » Energy efficiency
- » Crawler-type undercarriage
- » 1-stage shredding

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A homogeneous output material is essential for the recycling of waste materials. This is exactly what the UNTHA XR3000RC mobil-e guarantees – reliable shredding.

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– Thomas Schenker  
Managing Director of  
Schenker Industrie- und  
Städtereinigungs GmbH

