

UNTHA

The reliable brand!



Your expert for the single-step shredding of problematic materials

Why UNTHA?

Because we have the experience and the skills. UNTHA shredding technology, based in Kuchl near Salzburg, Austria, stands for 50 years of reliability when it comes to shredding technology. Ever since the company was founded in 1970, we have been developing customised shredding systems you can rely on in a wide range of applications, from material recycling to the processing of residual and waste wood, and the reprocessing of waste to produce alternative fuels. With a global sales network in more than 40 countries on all continents, we are among the most important manufacturers in a growing, future-orientated industry. With the XR class, UNTHA is setting new standards and has established itself as a pioneer in the single-step shredding of waste.

Our competent solutions for shredding problematic materials

Your material might be difficult to shred, but it actually constitutes a precious resource that you have at your disposal. However its future resource and resale potential is influenced by effective material breakdown. Targeted recycling requires efficient shredding, whether you're handling ropes, tyres, mattresses, rolled goods or bulky waste. We are happy to put our competent solutions to the test when it comes to processing problematic materials.

The efficient processing of problematic waste is designed to harness secondary raw materials and produce high-grade alternative fuels for thermal recovery. Very different waste materials in particular require individual solutions. Our reliable shredding units are configured for your specific application, thereby guaranteeing maximum variability and individuality.





Your benefits at a glance

- » single-step processing of problematic materials with high throughputs
- » perfect material breakdown
- » straightforward discharge system for extraneous matter to remove non-shreddables
- » optimum processing of rolled goods, bales and bulky waste
- » high output quality thanks to a homogeneous, defined fraction size
- » slow-running cutting system
- » low noise and dust emission (noise level < 80 dBA)
- » highly user- and maintenance-friendly
- » reduction in energy costs of up to 75% thanks to UNTHA Eco Power Drive
- » available as a stationary and mobile version
- » personal condition monitoring tool UNTHA GENIUS for maximum productivity

What **materials** can we process?

No matter what kind of waste is processed by your business, we have the right solution to help you shred a wide range of potentially problematic materials.

Tyres

Mattresses

Pulper ropes

Plastic bales

Carpets

Production waste



The **XR series** helps you make the most of your material

The XR class is particularly suitable for the single-step shredding of problematic materials. Minimum operating costs combined with maximum performance make the shredders of the XR series powerful partners for shredding problematic waste. The single-step shredding process makes this unit particularly efficient and economical to operate.

The high torque and the customised cutting system ensure that the material may be fed directly into the unit, without pre-shredding. The load-dependent speed control ensures a

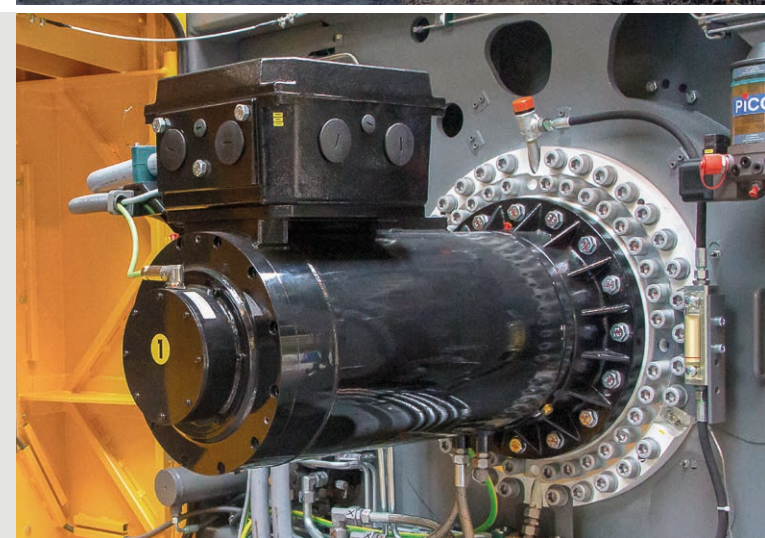
consistently high throughput rate. The result is a homogeneous, defined granulate with excellent material breakdown for further marketing. An internal pusher system ensures the optimised intake of rolled goods, bales and bulky materials. Compared to standard, multi-phase technologies, the XR class processes waste to the desired fraction size in a single step. This reduces time and manpower for operating and servicing the unit, which translates into lower personnel and maintenance costs.

For more information on structure and functionalities, see here:



Reduction in energy costs of up to 75%

A special benefit of the XR series: The energy-efficient UNTHA Eco Drive with its water-cooled synchronous motor reduces energy costs by up to 75%, at higher performance levels compared to standard diesel-hydraulic drive options. The mobile version of the XR unit ensures maximum flexibility throughout your operation. The wear-free direct drive reduces maintenance costs as belts or shaft stubs are not required. The load-dependent speed control ensures a high throughput rate. Unlike fast-running units, the slow-running XR series also stands out for its low noise and dust emissions during operation. **A thoroughly convincing UNTHA package for the processing of materials that are difficult to shred!**





Put us to the test!

No challenge is too big for our XR shredders.

See for yourself, during a live demonstration at your premises. Book a date now at www.untha.com/demo!



Success Story

VPK packaging group

VPK packaging group is an international business headquartered in Belgium, specialising in the production of cardboard and corrugated board packaging. The company employs 6,200 people at its 65 sites.

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

„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 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)

For more information
see here:



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5 reasons to choose UNTHA



Customised, long-lasting shredding solutions



Premium products developed and manufactured in Austria



All-encompassing expertise, from development to production, under one roof



Reliable customer service with the best technical know-how



More than 10,000 satisfied reference customers worldwide

We deliver what we promise

Since our founding in 1970, we've followed our promise of being "the reliable brand", which applies to every product and service that UNTHA delivers.

We work hard to consistently outperform our competitors, and provide customers with the confidence that – in choosing UNTHA – they have made the best decision for their business.

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