



The reliable brand!

Your expert for the single-step shredding of waste

XR3000C



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 waste

With your waste, you have precious resources at your disposal. What you need for the efficient processing and profitable onward sale of waste is excellent material breakdown. This requires customised, flexible shredding solutions, whether we are talking about bulky or commercial waste, tyres, plastics waste or other materials. We are happy to put our flexible, competent solutions to the test when it comes to processing waste.

The efficient processing of 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, powerful solutions. Our reliable shredding units are configured for your specific application, thereby guaranteeing maximum variability and individuality.





Your benefits at a glance

- » maximum flexibility with regard to input material, fraction size and mobility
- » single-step processing of different materials with high throughputs
- » perfect material breakdown
- » straightforward discharge system for extraneous matter to remove non-shreddables
- » 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 materials.

Domestic waste

Industrial and commercial waste

Bulky waste

Plastics waste

Production waste



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

The XR series is particularly suitable for the economical, efficient processing of different types of waste into alternative fuels. Especially when it comes to continuous operation, the XR series impresses with its high availability, combined with minimal energy and operating costs. Non-shreddables are easy and quick to remove via the dedicated exit door.

The high performance of the XR series ensures

throughputs of up to 70 t/h, making it a strong partner when it comes to single-step shredding. The high flexibility of this machine means that you are ideally positioned to meet future market developments, whether we are talking about extending business segments or accepting new material flows.

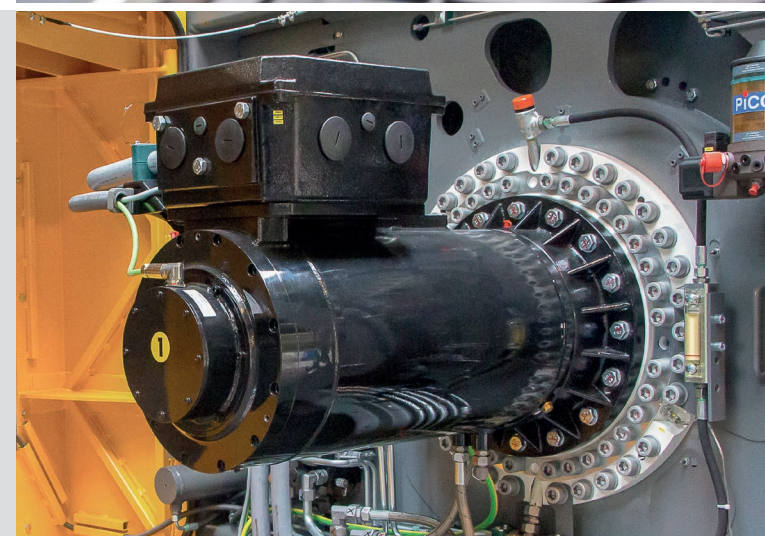
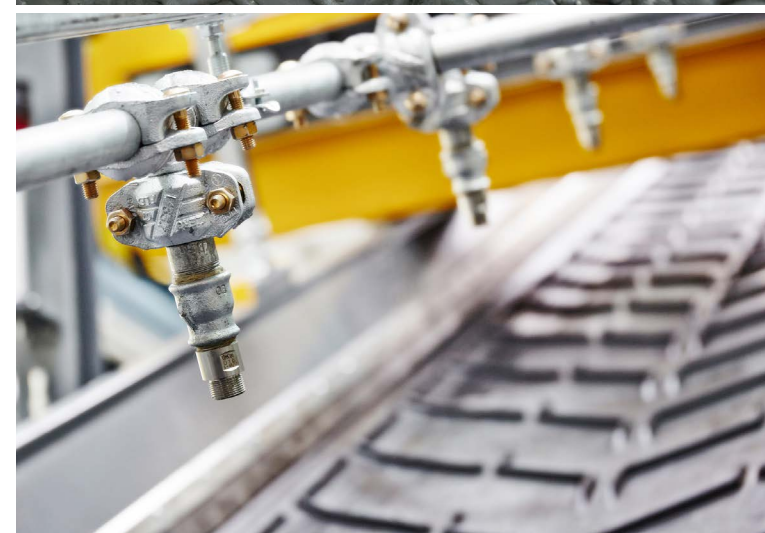
The mobile version XR mobil-e may be used at different locations, wherever it is needed.

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 waste!**





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

Otto-Rüdiger Schulze Holz- und Baustoffrecycling GmbH & Co.

Otto-Rüdiger Schulze Holz- und Baustoffrecycling GmbH & Co. KG is a waste management company that was founded in 1990. The business started out with waste wood recycling and currently employs 250 people at five locations. Its core business is the optimised recycling of waste wood, plastics, domestic and commercial waste, and construction waste. By shredding, sorting and reutilising waste, the company produces tonnes of secondary raw materials every day as well as alternative fuels that are used in cement plants and power

stations. The wide range of input materials require the highest degree of flexibility from the plant configurations.

In the end, Otto Rüdiger Schulze invested in an XR3000C, including a control room. Thanks to the highly economical UNTHA Eco Power Drive, the company has reduced its energy consumption and now saves 1,000 kWh per day. The unit also stands out for its low maintenance requirements and servicing costs. For a company that processes more than 80,000 tonnes of

alternative fuels per year, this is a clear technical and operational advantage. Non-shreddables in the cutting chamber may be removed easily via the discharge system for extraneous matter.

„UNTHA was recommended to us by a company based in Berlin. We are convinced that we made the right decision and would be happy to recommend the XR3000C to others.“

André Rabeus, Head of Operations

For more information
see here:



Success Story Saubermacher Dienstleistungs AG

Saubermacher Dienstleistungs AG specialises in the disposal and processing of recyclable materials. The company operates in more than 7 countries and employs 3,350 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.

After a successful test run, the company decided in favour of single-step 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 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 a particle size of less than 80mm 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)

For more information
see here:



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5 reasons to choose UNTHA



Customised, long-lasting shredding solutions



Premium quality products and services



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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