The UNTHA XR class

Pioneer in the energy-efficient, single-phase shredding of waste and residual wood

Highest possible performance and flexibility and even greater reliability when it comes to shredding different materials: these are the benefits UNTHA has achieved through the ongoing development of the XR class. The Austrian shredding specialist now has a true all-rounder for the single-phase processing of domestic waste, industrial and commercial waste, bulky waste, production waste, tyres, pulper ropes, metal, plastic bales, residual wood, and particularly challenging materials in its portfolio. The tried-and-tested UNTHA Eco Power Drive makes the XR class particularly energy-efficient. The new RC cutting system is particularly suitable for the pre-shredding of bulky materials with a high content of extraneous matter and still offers high throughput rates.

In 2014, UNTHA launched the stationary XR shredder, followed by the world's first mobile shredding system with an electric drive in 2016. The mobile unit was received enthusiastically when it was first presented to the public at the IFAT in Munich in spring 2016. The ability to produce high-quality secondary fuels in a single-phase process, with a significantly higher output and reduced energy consumption compared to standard technology, remains the winning feature of the XR class to this day, and UNTHA has continuously developed and upgraded both the performance and the scope of application for this stationary and mobile line of shredders.

Extremely resistant RC cutting system

Following an extensive customer requirement analysis, intense market research and exchanges with potential clients, the new concept of the RC (Ripper/Cutter) cutting system was developed. UNTHA came up with an innovative cutter geometry with improved intake behaviour, which enables high throughputs and a homogeneous output material. The robust cutting system is designed for the pre-shredding of particularly bulky materials with a high content of extraneous matter. See the RC cutting system live in action in an XR shredder during the VDMA Field Days, when it will be shredding residual wood. In addition to the new version, the tried-and-tested C (Cutter) and XC (X Cutter) cutting systems are also still available. The final throughput will depend on the type of material and the screen diameter and ranges from 10 t/h to 70 t/h. Fraction sizes from 25 to 300 mm are possible.

UNTHA Eco Power Drive

The core element of the XR shredders is the particularly energy-efficient UNTHA Eco Power Drive. This water-cooled synchronous motor reduces energy costs by up to 75 %, at higher performance levels compared to standard diesel-hydraulic drive options – a great advantage for any operator and a field where UNTHA has played a pioneering role for many years. 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. The mobile version of the XR unit ensures maximum flexibility throughout the premises.

The energy-efficient XR 1-shaft shredders from UNTHA are designed for the economical coarse, medium and fine shredding of different material flows. With the intelligent condition monitoring system UNTHA GENIUS, it is possible to keep an eye on all the operating parameters of the shredder on an ongoing basis. All this makes the XR class a convincing complete solution that is already been in use more than 300 times worldwide. As a special service, we offer customers and interested parties the option of testing the product on their premises. They are thus able to test their own material in the field using a demo unit – an opportunity that many UNTHA customers are making use of and that frequently leads to a purchase straight after the test run.

UNTHA shredding technology

Reliable shredding technology that goes back more than 50 years!

UNTHA shredding technology develops and manufactures customised, reliable shredding systems that are used 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. In this way, the company makes an important contribution towards the conservation of resources and the sustainable processing and reduction of waste.

The company was founded in 1970 and is headquartered in Kuchl near Salzburg. UNTHA has more than 300 highly qualified employees and a worldwide sales network that spans 40 countries on all continents. Placing it among the world's leading manufacturers in this growing, future-orientated industry.

Press contact:
Sandra Hribernik
UNTHA shredding technology
Kellau 141
5431 Kuchl
Tel.: +43 (0) 6244 7016 365
Mobile: +43 (0) 664 83 09 449
Mail: sandra.hribernik@untha.com
Web: www.untha.com