



UNTHA

The reliable brand!



Reliable system solutions
for waste wood processing

Why UNTHA?

UNTHA shredding technology develops and manufactures customised, reliable shredding systems 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 50 years' experience in shredding technology, UNTHA is not just a reliable partner for woodworking and timber-processing businesses, but the outright number 1 when it comes to system solutions for waste wood processing.



shredding technology





**SOME THINGS
ARE FOREVER!**



Your benefits at a glance

- » **Customised, complete solution:** Reliable system solutions for waste wood processing, tailor-made to your requirements
- » **One-stop-shop:** planning, project execution, electrical connection and commissioning
- » **Always at your side:** a single contact partner throughout the entire project length
- » **CE marking:** system solutions with a clearly defined framework for the handover of interfaces on EU standards

Complete solutions for wood-working and timber-processing businesses

The prerequisite for the efficient removal of the wood chips is optimised shredding. The wide product range of UNTHA shredding technology contains the right solution for obtaining transportable wood chips for all business sizes and requirements.

As UNTHA has a high percentage of in-house production directly at the Kuchl plant, the company is in a position to implement tailor-made solutions that reflect individual circumstances and requirements. From planning to project execution and commissioning with all the required peripheral devices, this premium manufacturer offers its customers a one-stop-shop service and also takes care of the electrical integration of the control system into existing facilities, including conveyor technology. The CE marking of all UNTHA machines guarantees a clearly defined framework for the handover of interfaces on EU standards, making the process easier and reducing complexity.



Conveyor technology

Whenever material needs to be transported in a specific direction and across a specific distance, conveyor technology is required. Depending on the individual requirements, UNTHA wood shredders may be fitted with a discharge screw conveyor or an auger. See below for an overview of the options available for you material flow of transportable wood chips.

Shaftless, flexible spiral conveyors

Flexible, shaftless spiral conveyor systems are used in a wide range of applications. The high mobility of the flexible spiral allows for the economical implementation of customised conveyor distances and heights. This is a particularly gentle method of transporting wood chips.

Benefits

- » Low maintenance thanks to straightforward design
- » High flexibility with customised conveyor distances
- » High availability
- » Excellent value for money
- » Small footprint
- » Horizontal, tilted or vertical conveyor lines available (from 0 to 90°)





Rigid augers with shafts

Rigid augers are particularly gentle on the material to be transported as well as being well suited for high feed rates and duty cycles thanks to their low wear rates.

Depending on individual requirements, the augers may be designed as trough or tube augers.

Benefits

- » Excellent stability
- » High handling capacity
- » Drop height and length may be customised

Depending on the individual application, we offer you customised solutions with different lengths and gradients. Our engineers will be happy to work out a tailor-made solution for your business.





Conveyor belts

Depending on your requirements, conveyor belts may be horizontal or inclined. They are suitable for almost all materials. The benefits lie in the high handling capacity and gentle transportation. In addition, conveyor belts are well suited for handling long distances and are easy to integrate into existing plant systems. To also ensure the efficient separation of metal, the conveyor belts may be fitted with a magnetic separator at the pulley.

Benefits

- » High handling capacity
- » Low maintenance and operating cost
- » Drop height and length may be customised





Trough chain conveyor

Trough chain conveyors are conveyor systems that may transport bulk goods in a closed trough, either at a horizontal incline or vertically. This conveyor system is highly flexible when it comes to conveying length and height and may be designed for individual plant situations. Trough chain conveyors are used predominantly for continuous operation and wherever a high handling capacity is required.

Benefits

- » Dust-free conveying
- » High handling capacity
- » Particularly low-maintenance
- » Long lifespan





Metal separator

Shredding residual wood that contains screws and nails is not a big deal for UNTHA wood shredders. However, metal residue in the wood chips may damage downstream equipment or cause a higher wear rate. To remove metal parts from the material, a range of metal separators are available to complete the chosen conveyor solution.

Magnetic separator integrated in the conveyor belt

To ensure the efficient separation of metal, the conveyor belts may be fitted with a magnetic separator at the pulley. The purified material is moved on, while the metal parts are separated by the magnet and collected in a container. Here, too, our engineers will be happy to draw up a customised solution for your specific requirements.

Benefits

- » Conveyance and metal separation in a single solution
- » Minimised disruption of downstream machines





Pipe magnet

Pipe magnets are primarily used in applications where the shredded residual wood is transported via an extraction system. Pipe magnets are easy to integrate into the piping system, thus preventing metal parts from reaching the chip silo. Depending on the individual application, we offer pipe magnets in two different sizes. Ask our specialists for a customised quote!

Benefits

- » Easy to integrate into the extraction system
- » Zero operating cost
- » Low maintenance
- » Service door may be positioned individually





Magnetic drum

A magnetic drum is particularly suited for a high material flow that contains ferrous contaminants. The material flow runs directly onto the drum, which separates the ferrous fractions from the chips and collects them in a separate container.

Benefits

» Magnetic drum is a separate, independent component





Overbelt magnet

An overbelt magnet is recommended for installation above conveyor belts to remove metallic elements from the material flow. It may be installed perpendicular to the conveyor belt or in a longitudinal direction at the point where the material is dropped.

Benefits

- » Self-cleaning
- » Easy to install
- » Permanent magnet





Olde Olthof
Betonvloeren-Borne BV

LR1200

FRONT

LCRU
3308860
DK 4363

TYPE: 1200
TYPE: 1200
TYPE: 1200

Hydraulic tilting table

Tilting containers or bucket wheel loaders usually cope well with small cap pieces and residual wood. However, their feed opening is not sufficient for guaranteeing the safe feed-in of long stacks of panels and pallets. A hydraulic tilting table may be the solution: It allows for the horizontal feed-in of long, unwieldy panels by means of a forklift. Once the material was placed on the tilting table, it is tipped into the cutting chamber automatically and shredded.

Benefits

- » Efficient and safe workflow
- » Speedy feed in of long stacks of panels
- » No need to cut the residual wood to length





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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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