



# UNTHA

## Pallet shredding

Shredding solutions for your individual requirements



# Why UNTHA?

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. 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 choice when it comes to system solutions for waste wood processing.

This includes the shredding of pallets, which we are able to do with configurations that are tailor-made to our customers' individual requirements. Pallets and wood packaging are indispensable in the transport and storage of stackable goods as well as of heavy, fragile items. Our pallet shredders are resistant towards non-shreddables and were designed especially for the shredding of pallets.









# Utilisation possibilities

Single-use pallets are usually discarded after transport and have to be disposed of accordingly. Large volumes of residual wood also accumulate during repairs of multi-use pallets such as the well-known europallet, for instance when used pallets are sorted or individual elements are exchanged. A similar fate awaits wooden packaging of all kinds, for instance large crates for vegetables or fruit as well as all other types of wooden packaging.

The metal used in the production of such packaging, such as nails, screws, staples or also entire fittings, represent a challenge when shredding pallets. Our shredders are robust enough to cope easily with such extraneous materials. They are simply shredded along with the product, after which they are efficiently separated from the wood granulate using magnet separators.

The wood chips thus generated are ideal for **thermal utilisation** for example. The process heat thus generated may be used to heat buildings or for the heat treatment of pallets that need to comply with the requirements of the IPPC standard.

The granulate is also suitable for **material recovery** and may be used for the production of pallet blocks, chipboard panels and OSB.

## Your benefits

- » Reduced disposal, transport and storage costs
- » Homogeneous, recyclable, metal-free wood chips
- » Premium granulate for sale or thermal recovery in an in-house heating plant

All these benefits also apply to the residual wood that accumulates during the production of pallets and wood packaging.



# What is the IPPC standard?

The acronym IPPC stands for “International Plant Protection Convention”, which was signed by more than 180 countries worldwide and is managed by the United Nations Food and Agricultural Organisation (FAO). The standard aims to secure coordinated, effective action to prevent and control the introduction and spread of diseases and pests among plants and plant products.

It applies to any kind of wooden packaging that may be a transmission route for pests and thus a danger for living trees, including wooden packaging material such as crates, packing cases, dunnage, pallets, cable drums and coil formers.

For more information, see:  
[www.ippc.int/en/core-activities/standards-setting/](http://www.ippc.int/en/core-activities/standards-setting/)

## Facts and figures about the europallet:

Wood: mostly coniferous wood (pine, poplar...)  
Weight: approx. 25 kg (with a humidity of <15%)

The thermal value of a single pallet is equivalent to that of approx. 9 litres of heating oil





# Customer-specific, complete solutions

With the LR700, LR1000 and LR1400 shredders, UNTHA offers a wide range of options that we will adapt to your individual requirements. The pallets may be fed into the hopper of the shredder individually or as a package. Our shredders achieve throughputs from 500 kg/h to 2 t/h. Depending on the diameter of the perforated screen, the desired granulate size ranges from 15 to 40 mm.

We customise our units to suit your wishes and requirements. From the feed system and metal separation through to the removal system, we can always find the best shredding solution for you.





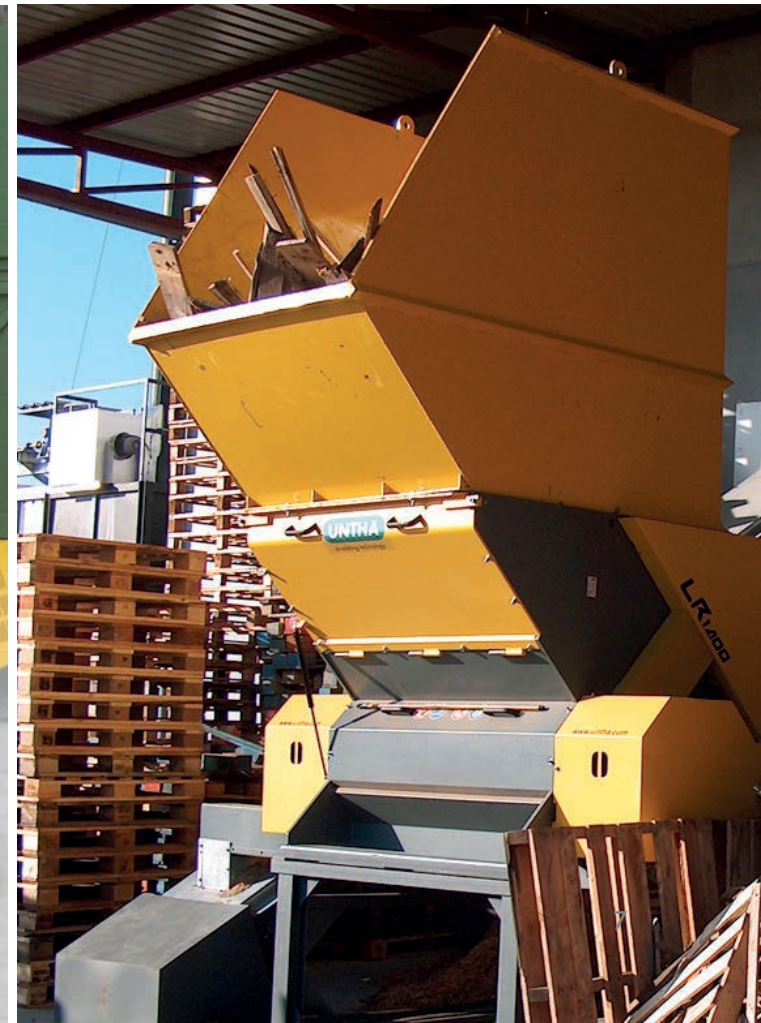
# References

Many satisfied customers already place their trust in a UNTHA complete solution for the shredding of pallets. See below for a selection of successfully completed projects.

For more success stories, see [www.untha.com/en/downloads](http://www.untha.com/en/downloads)



*Video of pallet shredding*



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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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