

# UNTHA

shredding technology

The reliable brand!



**30 YEARS**  
UNTHA  
4-SHAFT CUTTING SYSTEM

**PATENTED UNTHA FOUR-SHAFT CUTTING SYSTEM:**  
When conventional shredding systems fail

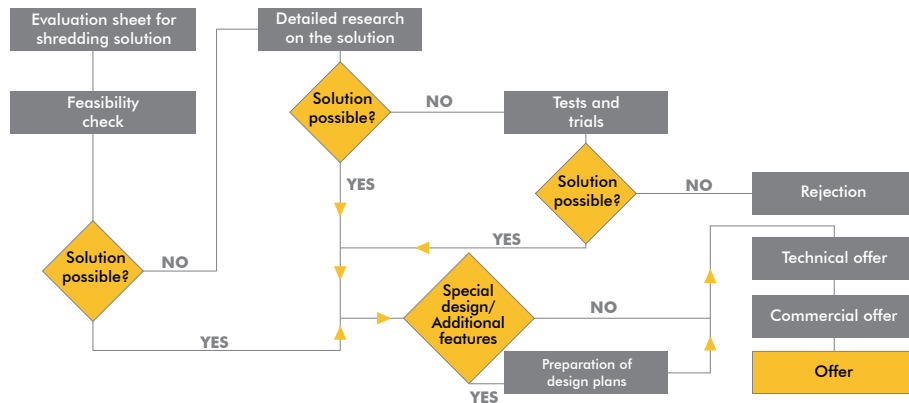


## THE OPTIMUM SOLUTION FOR EVERY APPLICATION

Our modular system allows customizing of machine sizes, rotational speed, torque, cutting chambers, cutting systems, screens, sealing versions etc. according to the customers individual requirements.

Furthermore we offer holistic shredding solutions from input material to final product.

## THE PROCESS OF SOLUTION-FINDING





## MAXIMUM RELIABILITY FOR TOUGH APPLICATIONS

UNTHA 4-shaft shredders have been tried and tested a thousandfold under tough operating conditions. They are characterized by their high reliability, resistance to non-shreddable items as well as their wide range of applications.

Their sturdy design as well as their strong and resistant cutting system perfectly qualifies this shredding system for multi-shift continuous operation.

More than 9,000 shredders in daily operation speak in our favour!

### TYPICAL APPLICATIONS

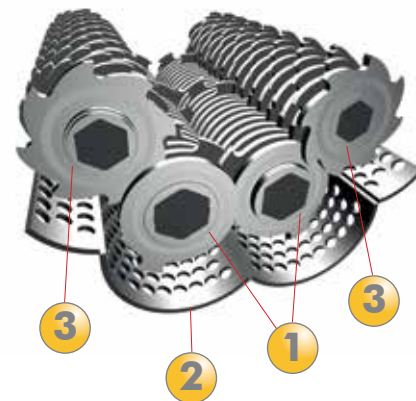
- Wood
- Plastics
- Documents and data
- Metals
- Electronic scrap (WEEE)
- Hazardous waste
- Paper and cardboard
- Organic waste
- Tyres and rubber



## TRIED, TESTED AND PROVED TECHNOLOGY - UNIVERSAL APPLICATION

Renowned customers from all over the world have long since realized the many advantages of this innovative technology.

The material to be shredded is drawn into the **main cutters** ① and is both pre-shredded and re-shredded in a single pass. Material that does not pass through the **screen** ② at once is transferred upwards by the **secondary cutters' teeth** ③ for re-shredding. The final granule size is defined by the screen diameter.



QUALITY FEATURE	BENEFIT
<b>Slow-running cutting system</b>	<ul style="list-style-type: none"><li>&gt; high resistance against non-shreddable items and long service life of the machine</li><li>&gt; low dust generation and vibrations</li><li>&gt; risk of fire nearly excluded</li></ul>
<b>Low-wear cutting system</b>	<ul style="list-style-type: none"><li>&gt; very high life-expectancy, up to 11,000 operating hours*</li><li>&gt; low maintenance requirements</li><li>&gt; high availability</li></ul>
<b>Simple and compact design</b>	<ul style="list-style-type: none"><li>&gt; easy integration into a plant</li><li>&gt; low maintenance costs</li><li>&gt; little space requirements</li></ul>
<b>No hydraulics required</b>	<ul style="list-style-type: none"><li>&gt; high resistance against failures</li><li>&gt; highly reduced maintenance expenditures</li><li>&gt; reduced energy consumption</li></ul>



\*) with UNTHA cutting system overhaul service



## **RS30**

4-shaft shredding system



## **RS40**

4-shaft shredding system



## **RS50**

4-shaft shredding system



## **RS60**

4-shaft shredding system



## **RS100**

4-shaft shredding system



## **RS150**

4-shaft shredding system

TECHNICAL DATA	UNIT	RS30	RS40	RS50	RS60	RS100	RS150
Drive power	kW	22	30/37/44	44	60/74	110/150	4*78/4*45
Throughput*	kg/h	up to 1.000	up to 2.000	up to 3.000	up to 5.000	up to 8.000	up to 12.000

\*) Indicated throughput values are rough values. These depend on input material, configuration of cutting system, screen size and machine design.



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FIRST-CLASS REFERENCES AROUND THE GLOBE

Leading companies put their trust in the reliable UNTHA brand.

Here is a small choice of our international customers:



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