

# UNTHA

The reliable brand!

ADVANCED  
GENERATION



## RS CLASS

30 | 40

4-shaft shredder for universal recycling applications



## **4-shaft** shredding technology

*Over 50 years of know-how and constant innovation*

UNTHA is the pioneer of 4-shaft shredding technology, and has been contributing to the economical and ecological utilisation of many different types of 'waste' materials, for over 50 years. But with this rich heritage comes continued innovation – engineering advancements that never stop. Working closely with customers to gather insights from our many global markets, UNTHA's R&D team consistently introduces progressive performance features that break new boundaries.

The result: more strength, more versatility, more uptime, more efficiencies, more potential. The world class RS range. Premium quality, manufactured in Austria, trusted globally.

### **Suitable for**

- » Automobile interior linings
- » Car bumpers
- » Cardboard/cardboard tubes
- » Confidential waste/banknotes
- » Dashboards
- » Files
- » Foamboard
- » Foils
- » Green waste
- » Hard drives
- » Leather
- » Medical waste
- » Metal shavings
- » Organic waste
- » Packaging
- » Paper
- » Plastic barrels/bottles
- » Plastic containers
- » Production waste
- » Punching scrap
- » Rubber waste
- » Tetra Paks
- » Textiles
- » Waste wood
- » and much more

# The tried-and-tested UNTHA

## 4-shaft cutting system

### 4-shaft cutting system:

The tried-and-tested, patented 4-shaft cutting system was developed specifically for tough challenges. The cutting discs are resistant to non-shreddables, were designed for intense, continuous operation and are particularly economical due to their long service life.

### Individually adaptable

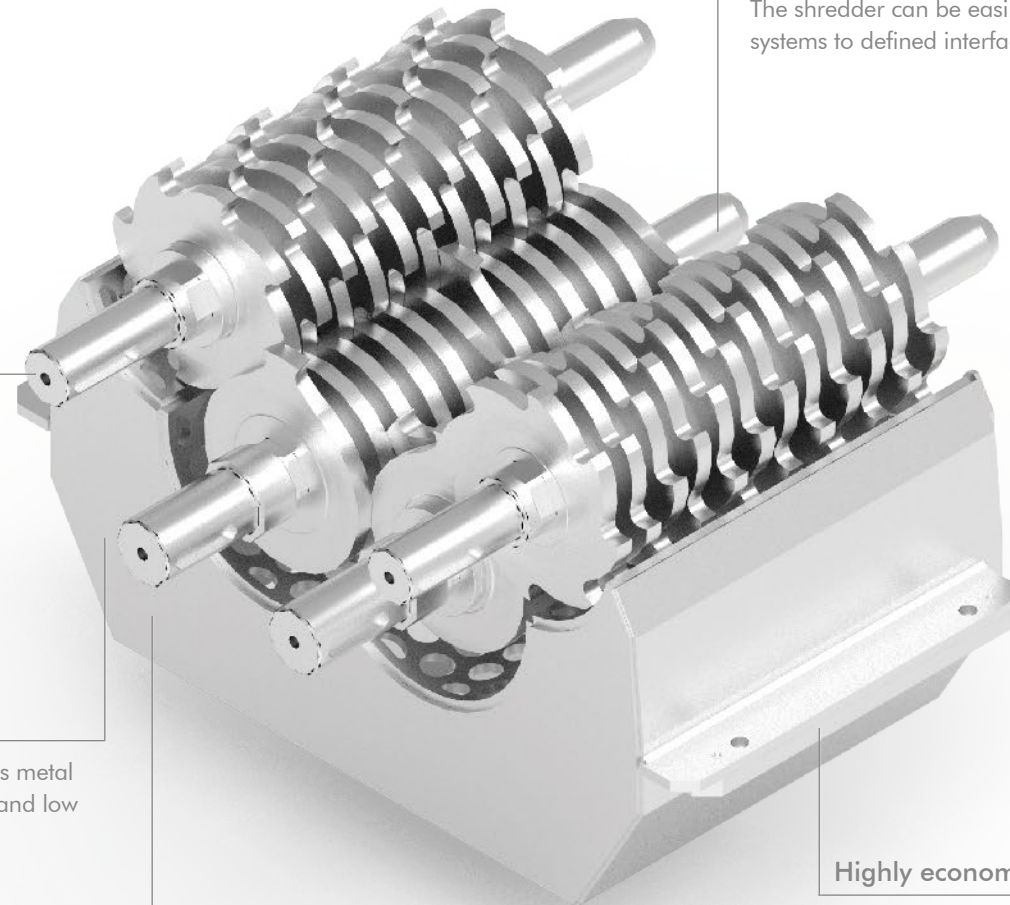
The cutting system can be customised to the input material and granulate requirements

### Slow-running cutting system

The cutting system is particularly resistant towards metal non-shreddables and stands out for its low dust and low noise production.

### Compact design

The shredder can be easily integrated into existing systems to defined interfaces.



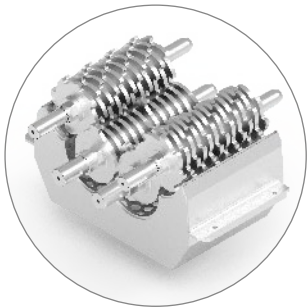
### Low-wear screen

The screen ensures a defined fraction size and is easy to exchange thanks to the quick-change screen system.

### Highly economical

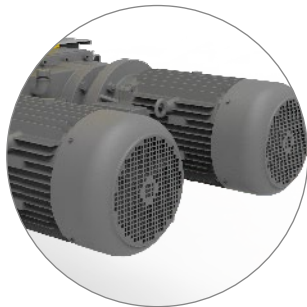
The cutting system has a long service life. At the end of their lifetime, the cutting discs can be reconditioned at the UNTHA Service Competence Center.

# Your benefits at a glance



## Economical cutting system

The material is pulled in by the cutting system, eliminating the need for a ram device. The four-shaft cutting system ensures a high torque, has a long service life and is highly resistant towards non-shreddables. The low speed keeps noise and dust production to a minimum. Thanks to the wide range of cutting units available, the shredding machine can be customised to meet individual customer requirements, for maximum flexibility.



## UNTHA direct drive system

A staggered start-up of the two motors reduces current and power peaks. The simple design of the motor unit (pinion motor - bearing unit - gearbox) reduces susceptibility to faults and minimises maintenance costs.



## User-friendly display

The shredder's settings can be optimally adjusted to the respective material using the intuitive 5-inch colour display. It also helps to quickly analyse and rectify faults and provides an overview of the shredder's entire maintenance history.



## Long machine lifespan

Easily replaceable wear elements in the cutting chamber extend the service life of the shredder. The maintenance-free mechanical seals prevent dust and dirt from entering gears and bearings. The torsion-resistant steel frame construction provides a stable, low-vibration base. The functional design protects the machine components from dirt.

## Electronic protection systems

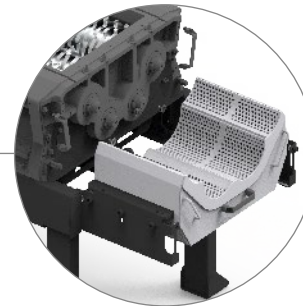
The automatic detection and switch-off of impurities and an automatic reversing function protects the drive unit from damage in the event of motor overload. An automatic switch-off switches the machine off when idling and ensures low energy costs.

## Highly user- and maintenance-friendly

An integrated quick-change screen system maximises operational uptime.

## Defined fraction size

Depending on the requirements, a range of screens ensures the production of pre-defined fractions. The large screen area achieves high throughput rates. An integrated quick-change screen system makes the screen easy and quick to exchange.



Sample image RS30/40

## Options

### Mechanical extras

- » Tech Pack: mechanical sealing of the bearings on the locating and non-locating bearing, Wear plates on the locating and nonlocating bearing, electrical oil level monitoring
- » Automated central lubrication system
- » Dyn. SW preload incl. shaft ventilation
- » Motor covers incl. LED status display

### Electrical extras

- » Frequency converter for stepless speed adjustment to reduce current peaks
- » Control system upgrade: light barrier, superordinate control system, BUS system
- » Integration of on-site peripheral devices into the control system
- » Automatic start

### Accessories

- » Hydraulic ram system
- » Customer-specific feed hoppers and machine frame
- » Range of discharge feed systems
- » Suction hood with or without screw conveyor
- » Bolted machine frame

### Services

- » UNTHA Carefree Packages Basic, Comfort, Professional ensure that shredders are technically sound and ready for use at all times

### MyUNTHA customer portal

- » The MyUNTHA digital customer portal contains all relevant information about the shredder as well as services and assistance

## UNTHA test centre & live demos

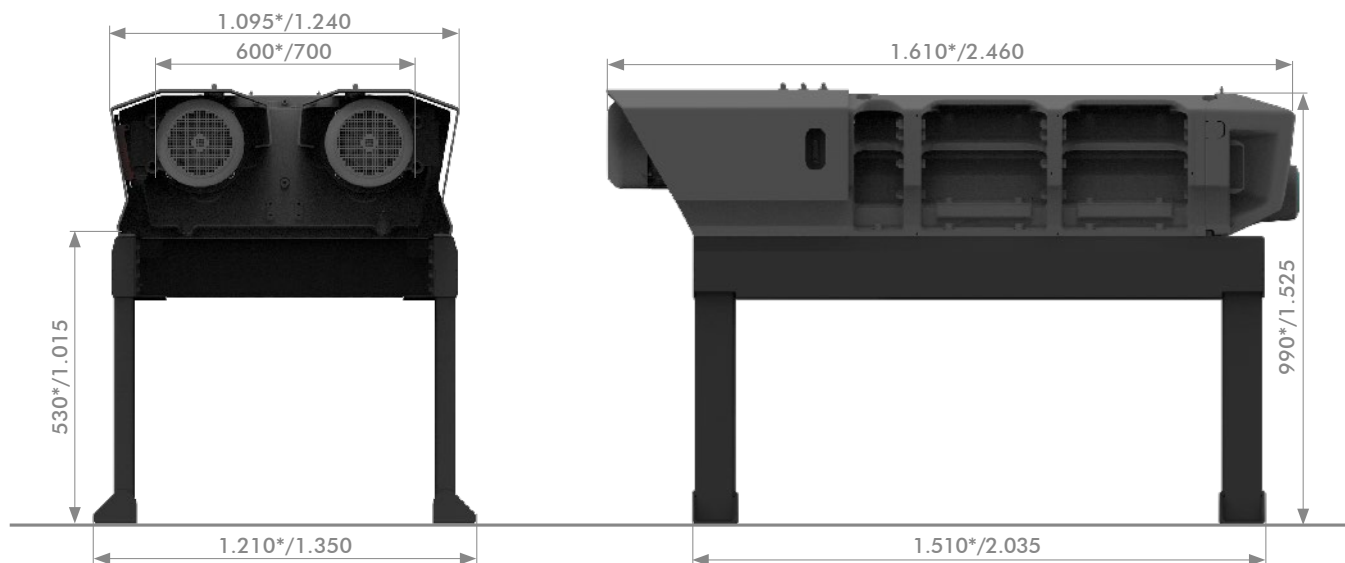
The UNTHA headquarters in Kuchl/Austria has a state-of-the-art test centre where experiments are carried out with different materials and according to customer-specific requirements. These enable us to always find the right shredding solution for every project, and customers are welcome to attend these test runs. There is also the opportunity to experience UNTHA shredders live in operation. Depending on requirements and availability, reference sites can be visited or shredders can be tested in your own company, globally.

Contact us – together we will find the perfect solution for you.



# RS30/40

4-shaft shredding system



TECHNICAL DATA		RS30*	RS40
Rated capacity	kW	11/15/22	30/37/44
Cutter clearance	mm	450 x 600	750/1.000 x 700
Speed of the main shafts	rpm	23	24
Speed of the secondary shafts	rpm	34	32
Ø perforated screen	mm	15 - 40	15 - 40
Weight	kg	approx. 2.000	approx. 3.300/3.600

All dimensions in mm

## UNTHA shredding technology GmbH

Kellau 141  
5431 Kuchl | Österreich  
Tel.: +43 6244 7016 0  
Fax: +43 6244 7016 1  
info@untha.com  
www.untha.com

## UNTHA Deutschland GmbH

Am Hammersteig 5a  
97753 Karlstadt | Deutschland  
Tel.: +49 9353 906869-0  
Fax: +49 9353 906869-35  
info@untha.de  
www.untha.de

## UNTHA UK Ltd.

Excel House, Becklands Close  
Boroughbridge  
YO51 9NR | United Kingdom  
Tel.: +44 330 056 4455  
sales@untha.co.uk  
www.untha.co.uk

## UNTHA America, Inc.

1 Lafayette Road, Building 4  
Hampton, NH 03842 | USA  
Tel.: +1 603 601 2304  
Fax: +1 603 601 7573  
info@untha-america.com  
www.untha-america.com

## UNTHA Polska Sp. z o.o.

Olecka 23/221  
04-980 Warszawa | Polska  
Tel.: +48 12 6421896  
info@untha.pl  
www.untha.pl

## UNTHA Ibérica S.A.

Lugar Queirúa, s/n 15680 Ordes  
La Coruña | España  
Tel.: +34 981 69 10 54  
Fax: +34 981 69 08 78  
info@untha-iberica.com  
www.untha.es

## UNTHA Türkiye Makina Sanayi ve Ticaret Limited Şirketi

Barbaros Mah. Kardelen Sok.  
Palladium Tower No:2/114 K:32  
34746 Ataşehir | İstanbul | Türkiye  
Tel.: +90 216 687 2991  
info.tuerkiye@untha.com  
www.untha.com/turkiye

## 5 reasons to choose UNTHA



Customised, long-lasting shredding solutions



Premium products developed and produced in Austria



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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