

UNTHA

The reliable brand!



RS30/40

Shredding solution for economic
processing of waste wood

The tried-and-tested UNTHA cutting system

4-shaft cutting system:

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

Individually adaptable

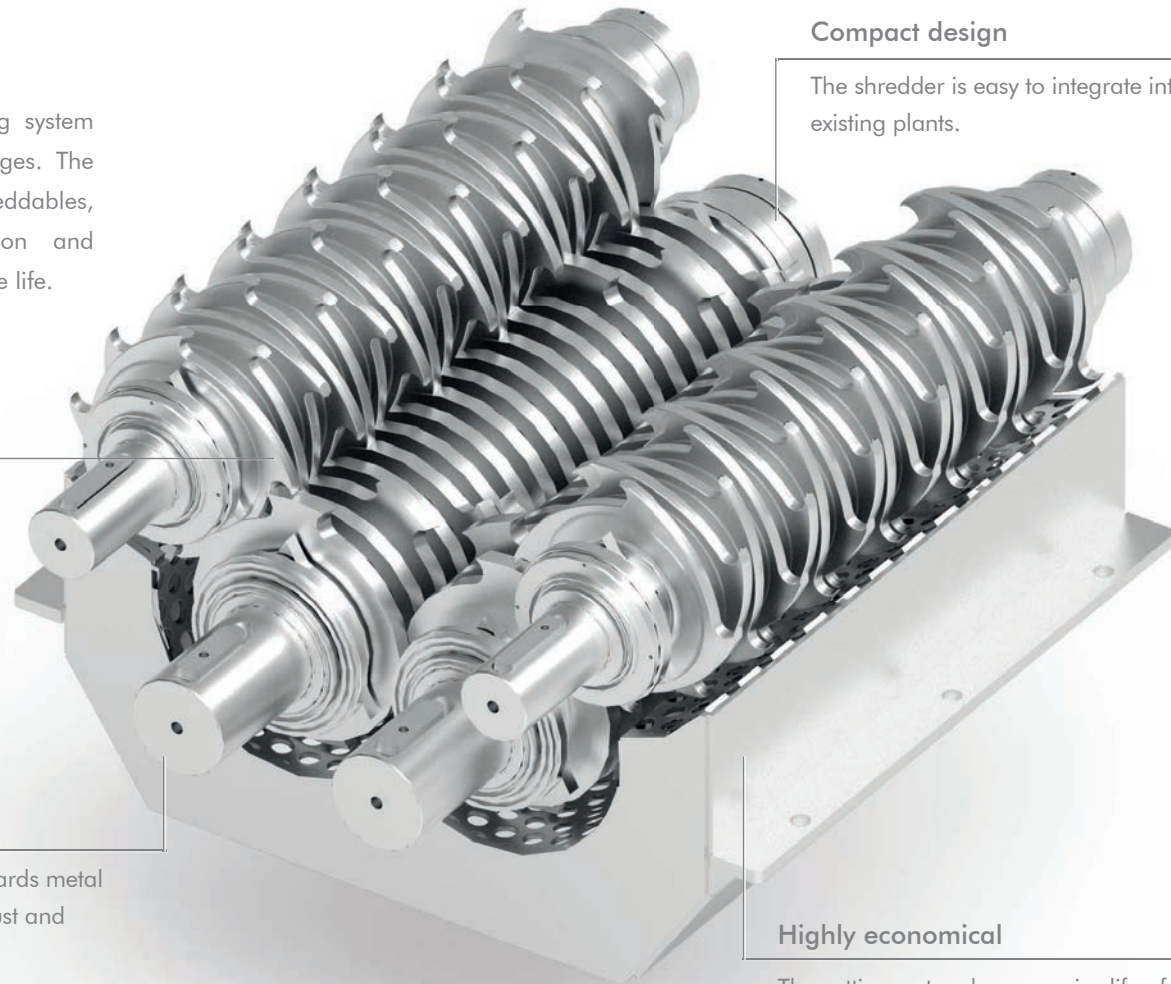
The cutting system may be customised to suit the input material.

Slow-running cutting system

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

Compact design

The shredder is easy to integrate into existing plants.



Highly economical

The cutting system has a service life of several thousand hours.

RS30/40

4-shaft shredding system

The highly reliable RS30 and RS40 shredders are used in the woodworking and timber-processing industry. They stand out for their high availability and productivity.

The 4-shaft cutting system may be adapted to the input material and is particularly well suited for processing bark, wet wood, cardboard and residual wood with metal inclusions.

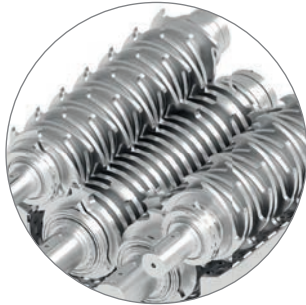
Thanks to their compact design, the 4-shaft shredders are suitable for the decentralised recycling of wood pieces directly next to the production machines. The RS units have a particularly sturdy design that is meant for permanent operation. The low maintenance requirements and high operational performance result in particularly low operating costs.

Areas of application

- » Solid wood (long parts, splinters)
- » Veneers
- » Cardboard/paper (mixed with wood)
- » Bark
- » etc.



Your benefits at a glance



Economical cutting system

The material is pulled in by the cutting system, eliminating the need for a pusher. The slow-running cutting system keeps noise and dust levels low. The 4-shaft cutting system has a service life of several thousand hours and is highly resilient towards non-shreddables.

Robust and compact design

High-grade components and a unique cast iron frame ensure a long service life and make this shredder one of the most robust models in its class. Thanks to its compact design, the unit requires little space and is easy to integrate into existing plants.



Defined fraction size

Depending on the requirements, a range of screens ensure the production of pre-defined wood chips. Thanks to chip breakers, the wood chips are particularly homogeneous and precisely adapted to the downstream processing step (briquetting, wood-chip heating system). The large screen area achieves high throughput rates.



Unique warranty

As a proof of our excellent product quality, we are happy to offer you a 3-year warranty*. Many renowned companies already put their trust in our quality standards.

*3 years or 2000 hours, depending on which value is reached first.



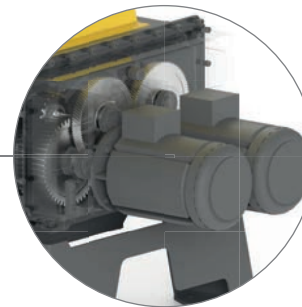
Electronic protection systems

The automatic detection of non-shreddables with shut-off function and the automatic reverse function in case of motor overload protect the drive unit against damage. The automatic shut-off function shuts down the machine when idling, further lowering energy costs.

Reliable drive system

Reduced start-up current and power peaks thanks to staggered start-up of the two motors and low-maintenance, resilient gears that run in an oil bath ensure a high torque for the chopping discs.

The straightforward design makes this unit highly fault-resistant and keeps maintenance levels to a minimum.



Options

Mechanical extras

- » Customer-specific chopping discs available upon request
- » Automatic central lubrication
- » Reinforced perforated screen

Electrical extras

- » Control system upgrade (light barrier, superordinate control system, BUS system, etc.)
- » Integration of peripheral devices into the control system
- » Suction mechanism activation
- » Automatic start

Accessories

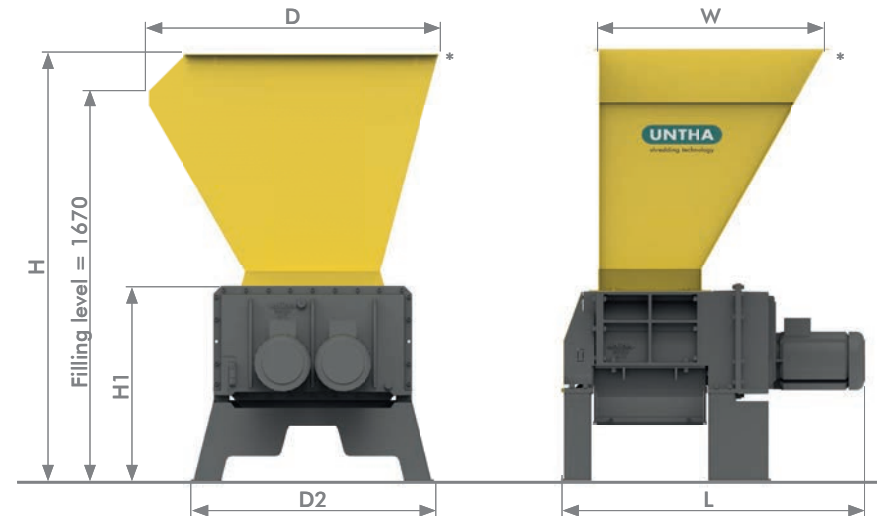
- » Suction hoods (suction is possible on four sides)
- » Customer-specific feed hoppers and undercarriages
- » Range of discharge feed systems (conveyor belts, screw conveyors , etc.)
- » Range of metal separation units

Services

- » UNTHA Carefree Packages (Basic, Standard, Professional): Ensure that machines are technically sound and ready for use at all times

MACHINE TYPE DIMENSIONS	L	H	H1	W	D	D2
RS30/2 x 5,5 kW	1.250	1.900	820	1.000	1.280	1.090
RS30/2 x 7,5 kW	1.300	1.900	820	1.000	1.280	1.090
RS30/2 x 11 kW	1.340	1.900	820	1.000	1.280	1.090
RS40/2 x 15 kW	1.530	1.990	880	1.045	1.415	1.190
RS40/2 x 15 kW 2 x 18,5 kW	1.800	1.990	880	1.315	1.415	1.190
RS40/2 x 18,5 kW	2.010	1.990	880	1.525	1.415	1.190

All dimensions in mm CW - cutting unit width
 *Sample image (hopper and undercarriage are not included in the standard scope of delivery)



TECHNICAL DATA		RS30	RS40
Rated capacity of the rotor	kW	2 x 5.5/2 x 7.5/2 x 11	2 x 15/2 x 18,5
Cutter clearance	mm	450 x 560	480/750/960 x 700
Number of shafts		4	4
Speed of the main shaft	rpm	approx. 23	approx. 24
Speed of the secondary shaft	rpm	approx. 34	approx. 32
Ø perforated screen	mm	15 - 40	15 - 40
Weight	kg	approx. 1,100	approx. 1,700/2,100/2,400
sound pressure level LPA 1m	dB (A)	approx. 80	approx. 80
Throughput* Perforated screen Ø 15 - 25 mm	srm/h	Up to 3	Up to 7

*) Dependent on type of material and diameter of perforated screen

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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

Authorised UNTHA sales partner

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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