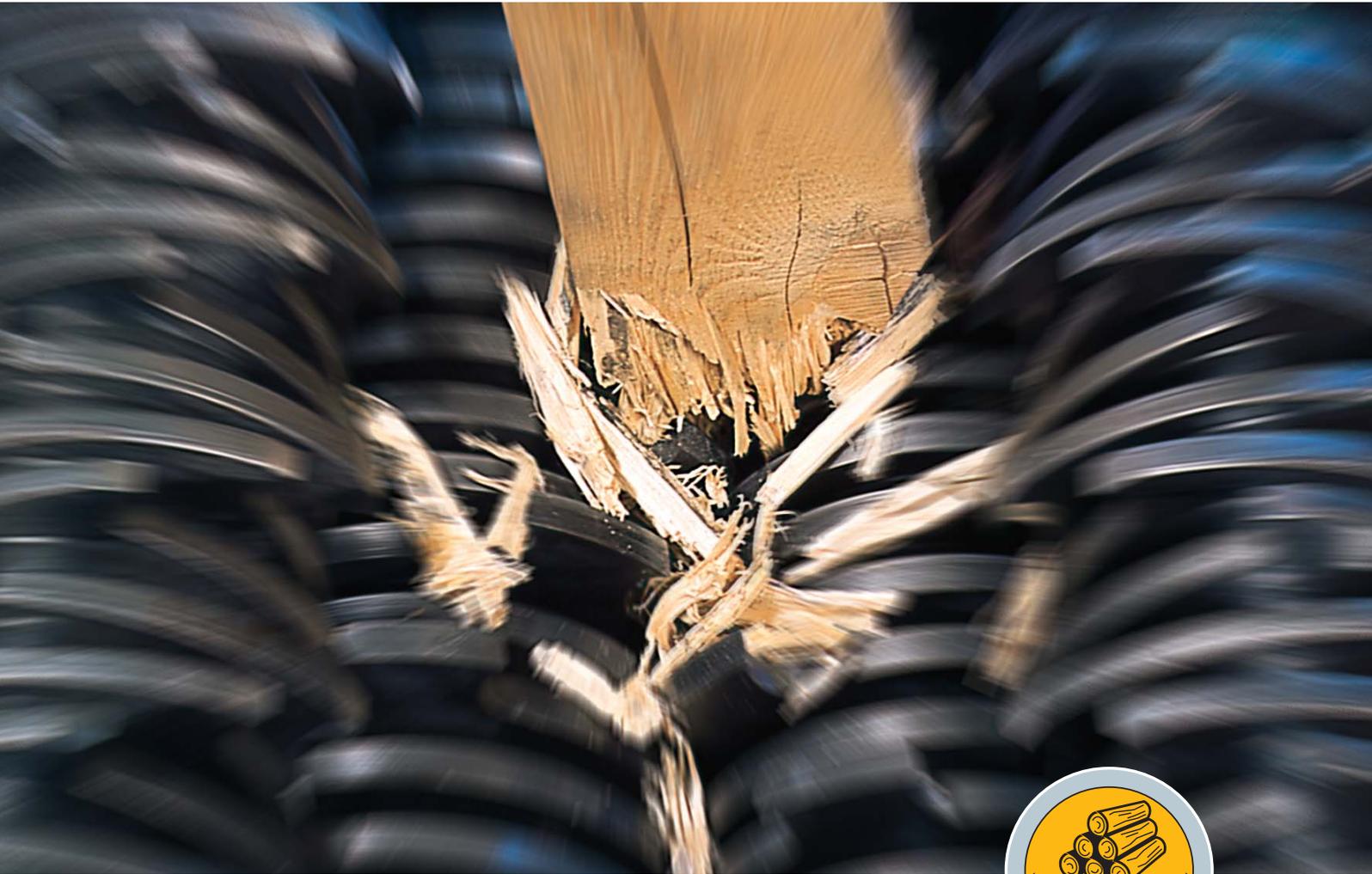


**UNTHA**

shredding technology

wood

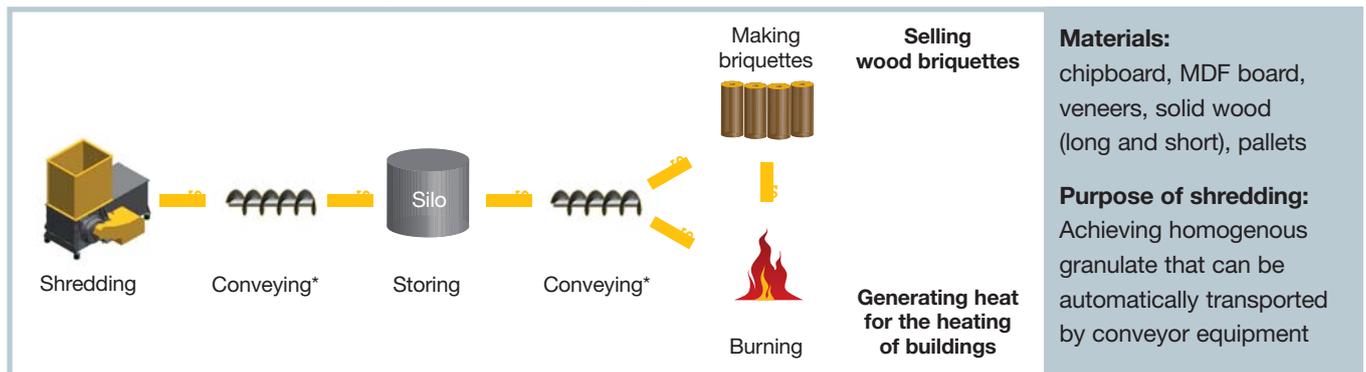


**Application wood**

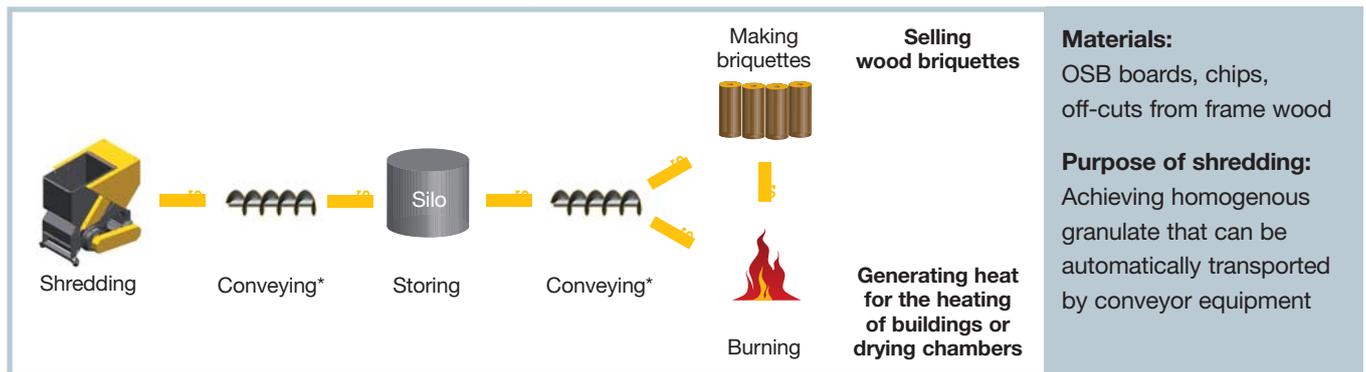
[www.untha.com](http://www.untha.com)

## Use the energy from your waste wood!

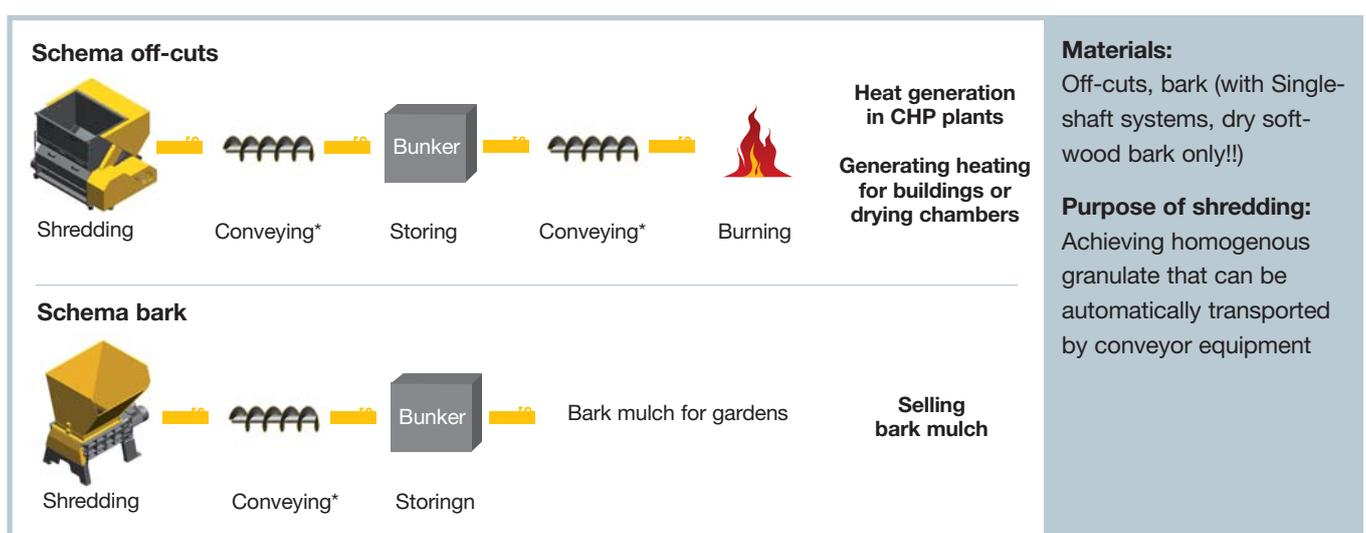
### Utilisation of waste from joiners' workshops



### Utilisation of waste wood from carpenters' workshops



### Utilisation of waste from sawmills



\*) Conveying with screw conveyors, conveyor belts, drag conveyors, suction systems, ...

Take advantage of our good relationships with leading manufacturers of wood chip heating systems, suction systems, conveyor systems and briquette presses when designing your system.

## The ideal solution for any application



### Single-shaft cutting system

The hydraulic push-in slide pushes the material load-controlled against the rotor, equipped with the exchangeable reversible cutting blades. The rotor shreds the material by pushing it against the cutting blades.

The shredded material falls through the perforated screen. The granule size is determined by the size of the perforation.

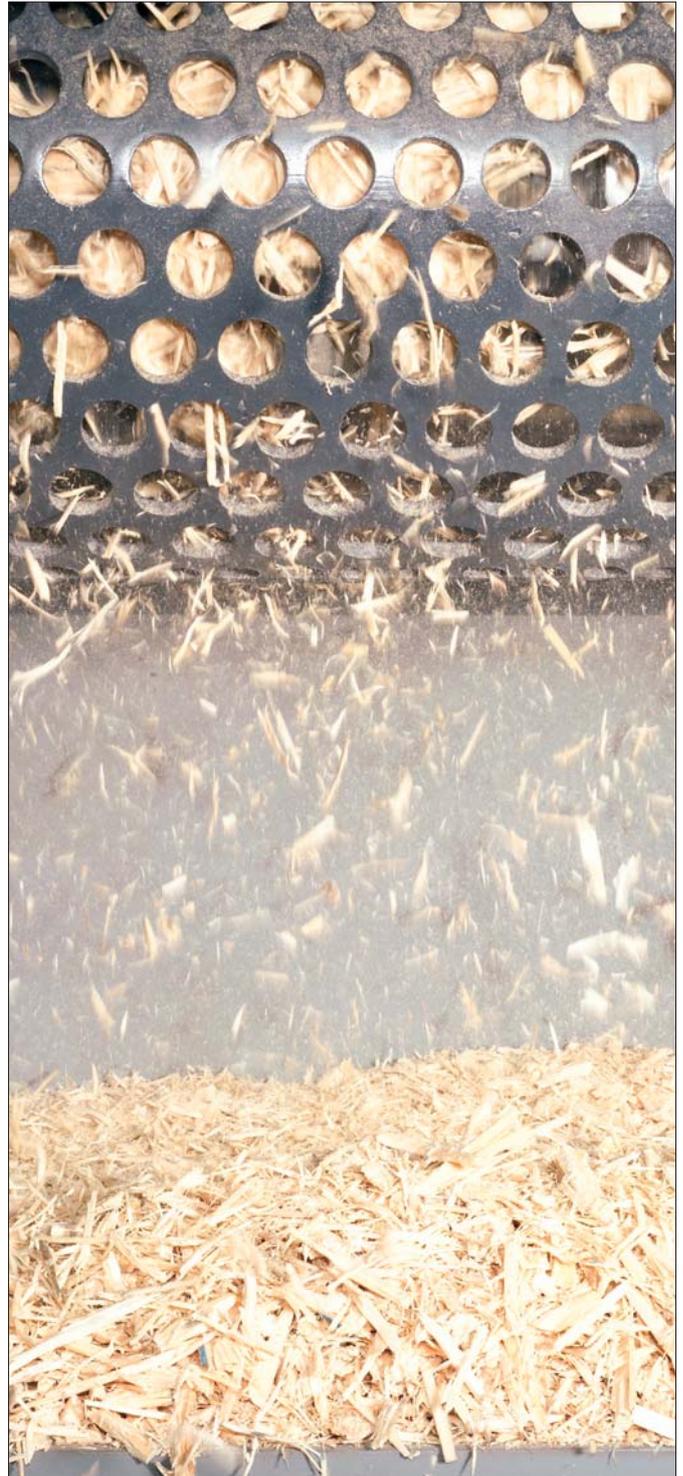


### 4-shaft cutting system (patent no. 319535)

The material to be shredded is automatically drawn into the cutting system and pre-shredded as well as re-shredded in one go.

If material does not fall through the perforated screen after shredding, it is taken up by the teeth of the main cutting system and moved back up (pre-shredding).

The next shredding cycle (re-shredding) begins when the pre-shredded material is taken up by the secondary cutters. The final product is precisely defined, homogenous granules.



**30 years of expertise**  
**More than 8,000 shredders in daily operation!**



The ideal machine for any application



**LR630**  
Single-shaft cutting system

- For joiners' workshops**
- Waste per week: 1 – 7m<sup>3</sup>
  - mainly boards or solid wood

- Technical data:**
- Driving power  
Rotor 11/15/18.5 kW  
Hydraulic unit 0.75 kW
  - Charging hole 624 x 792 mm
  - Weight approx. 1,300 kg
  - Perforated screen Ø 15 – 30 mm
  - Throughput\*) approx. 1 – 2 m<sup>3</sup>/h

**LR700**  
Single-shaft cutting system

- For joiners' and carpenters' workshops**
- Waste per week: 4 – 12 m<sup>3</sup>
  - mainly boards or off-cuts

- Technical data:**
- Driving power  
Rotor 18.5/22 kW  
Hydraulic unit 1.1 kW
  - Charging hole 700 x 1,065 mm
  - Weight approx. 1,800 kg
  - Perforated screen Ø 15 – 40 mm
  - Throughput\*) approx. 2 – 4 m<sup>3</sup>/h

**LR1000 / LR1400**  
Single-shaft cutting system

- For joiners' and carpenters' workshops**
- Waste per week: mehr als 12 m<sup>3</sup>
  - mainly boards or off-cuts

- For sawmills**
- off-cuts from 0.9 – 1.3 m length
  - Throughput up to 9 m<sup>3</sup>/h
- Technical data\*\*):**
- Driving power  
Rotor 22/30/2 x 18.5/2 x 22 kW  
Hydraulic unit 1.5 / 2.2 kW  
Screw conveyor 0.55 kW
  - Charging hole 1,000 x 1,050 / 1,600  
1,400 x 1,050 mm / 1,600 mm
  - Weight approx. 2,400 to 3,500 kg
  - Perforated screen Ø 15 – 40 mm
  - Throughput\*) approx. 2 – 8 m<sup>3</sup>/h

\*) depending on material quality and diameter of the perforated screen  
\*\*) Technical data depending on machine type and technical equipment



**MR1500**  
**MR2000**  
**MR2500**  
 Single-shaft cutting system

- For sawmills**
- mainly off-cuts
  - Throughput up to 50 m<sup>3</sup> with 120 mm perforated screen

- Technical data\*\*):**
- Driving power  
Rotor 55 / 75 / 90 / 110 / 150 kW  
Hydraulic unit 4 / 7.5 kW
  - Weight approx. 7,500 to 22,000 kg
  - Perforated screen Ø 15 – 120 mm
  - Throughput\*) up to 50 m<sup>3</sup>/h

**RS30**  
 4-shaft cutting system

- For joinery workshops**
- mainly long solid timber parts (such as stair builders,...)

- For sawmills**
- mainly bark from softwood
  - Throughput up to 10 m<sup>3</sup>/h

- Technical data:**
- Driving power  
2 x 5.5 / 2 x 7.5 / 2 x 11 kW
  - Charging hole 450 x 560 mm
  - Weight approx. 1,100 kg
  - Perforated screen Ø 15 – 40 mm
  - Throughput\*) approx 1 – 5 m<sup>3</sup>/h

**RS40**  
 4-shaft cutting system

- For joinery workshops**
- mainly long solid timber parts (such as stair builders,...)

- For carpentry workshops**
- mainly roof battens or long solid wood (14 x 12 cm)

- For sawmills**
- mainly bark from softwood
  - Throughput up to 20 m<sup>3</sup>/h

- Technical data:**
- Driving power  
2 x 11 / 2 x 15 / 2 x 18.5 kW
  - Charging hole  
450 / 750 / 960 x 700 mm
  - Weight approx. 1,400 – 2,400 kg
  - Perforated screen Ø 15 – 40 mm
  - Throughput\*) approx. 2 – 8 m<sup>3</sup>/h



**For more technical details  
 please refer to our product brochures!**



**Satisfied customers are our best testimonials!**



**Shredding of a stair builder's waste; shredded material used to generate heat for the heating of buildings**

- RS40, 2 x 18,5 kW
- 750 x 700mm
- Perforated screen Ø 25 mm
- HSW<sup>1)</sup> 19 mm, 1 tooth
- NSW<sup>2)</sup> 15mm, 4 teeth
- Accessories: Suction hood Ø 250 mm, Pipe magnet Ø 250 mm

**Shredding of waste from carpentry workshops; shredded material used to generate heat for the drying chamber**

- LR1000, 30 kW
- 1,000 x 1,050 mm
- Perforated screen Ø 25 mm
- 27 Stk. knives
- Suction nozzles Ø 200 mm

**Shredding of waste from a joiner's workshop; shredded material used to generate heat for the heating of buildings**

- LR630, 15 kW
- 624 x 792 mm
- Perforated screen Ø 20/30 mm
- 17 Stk. knives
- Suction nozzles Ø 160mm
- Accessories: Standard funnel with gate

**Shredding of sawmill waste for heat generation in a CPH plant**

- LR1000, 30 kW
- 1,000 x 1,600 mm
- Perforated screen Ø 70 mm
- 54 Stk. knives
- 45° machine casing
- Accessories: Funnel for charging a wheel loader, Support, Screw conveyor channel longer by 400 mm



**Shredding of a door manufacturer's production waste to generate heat in a CHP plant**

- LRK1400, 2 x 22 kW
- 1,400 x 1,600 mm
- Perforated screen Ø 15 mm
- 76 Stk. knives
- 45° machine casing
- Accessories: Tailored tilting and lifting device, Longer discharge screw, discharging to the right

**Shredding of wooden pallets to generate heat for a drying chamber**

- LR1400, 30 kW
- 1,400 x 1,600 mm
- Perforated screen Ø 40 mm
- 76 Stk. knives
- 45° machine casing
- Accessories: Support, Screw conveyor channel longer by 400 mm; opening at the bottom for discharge to conveyor belt on site

1) Main cutting system    2) Secondary cutting system



**Shredding of joinery workshop waste to generate heat for the heating of buildings**

- RS30, 2 x 7,5 kW
- 450 x 560 mm
- Perforated screen Ø 25 mm
- HSW<sup>1)</sup> 19 mm, 1 tooth
- NSW<sup>2)</sup> 15 mm, 4 teeth

**Shredding of waste from carpentry workshops; shredded material used to generate heat for the drying chamber and heating of buildings**

- LR1000, 22 kW
- 1,000 x 1,050 mm
- Perforated screen Ø 30 mm
- 27 Stk. knives
- Suction nozzles Ø 200 mm

**Shredding of joinery workshop waste to produce wood briquettes**

- LR700, 18,5 kW
- 700 x 1,065 mm
- Perforated screen Ø 15 mm
- 19 Stk. knives
- Suction nozzles Ø 200 mm

**Shredding of sawmill waste to generate heat for a drying chamber**

- LR1400, 2 x 22 kW
- 1,400 x 1,600 mm
- Perforated screen Ø 70 mm
- 76 Stk. knives
- 45° machine casing
- Accessories:  
Customised discharge chute for discharge to drag conveyor on site  
No discharge screw



**Shredding of sawmill waste to produce bark mulch**

- LR1400, 2 x 22 kW
- 1,400 x 1,600 mm
- Perforated screen Ø 70 mm
- 76 Stk. knives
- 45° machine casing
- Accessories:  
Funnel for the charging of a wheel loader, Support,  
Screw conveyor channel longer by 400 mm; with opening at the bottom for discharge to the conveyor belt on site

**Shredding of joinery workshop waste to generate heat for the heating of buildings**

- LR1400, 30 kW
- 1,400 x 1,600 mm
- Perforated screen Ø 25mm
- 38 Stk. knives
- Accessories:  
Extended screw conveyor with discharge to the right, for discharge to suction system on site,  
Customised funnel for tilting device  
Tilting device adjusted to containers on site



## UNTHA shredding technology – Innovation in size reduction



### Tradition and Innovation

In 1970, Anton Unterwurzacher founded a company which has since become an international player: UNTHA shredding technology. In 1980, he developed the innovative four-shaft cutting system and specialised in the production of shredders.

UNTHA shredders stand out with their high quality, reliability and sturdiness. The machines are tailored to customer specifications. Delivery times can be kept short, since the majority of construction work is done by UNTHA itself. High quality and productivity are ensured by state-of-the-art production equipment.

UNTHA offers expertise in consulting, production and sales world-wide!

The team of UNTHA shredding technology, with its 100 highly qualified and motivated staff, provides comprehensive consulting and support. The international sales network, with partners in more than 60 countries, ensures swift processing of your inquiries as well as immediate service on site.

## We keep our promises!

UNTHA shredding technology – your reliable expert partner in shredding technology – employs the most advanced technology to find the optimum solutions for your requirements. The highest technical standards and our comprehensive service and support guarantee trouble-free operation of equipment and keep stand-still times of your plant to an absolute minimum.

Distributors



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