

— IN-HOUSE MANUFACTURING

The Shredder

For slaughterhouse waste and wood material. Load it, close the lid and start – then it shreds automatically.



3 m³

BIN FOR THE SHREDDED MATERIAL - OR A CONVEYOR BELT

— IN-HOUSE MANUFACTURING

Load.
Close.
Start.

The Shredder is manufactured in-house by Biotherm, built for slaughterhouse waste and wood material. Shredding runs on a timer – while you get on with other things.

**MATERIAL**

Slaughterhouse waste, pallets and recycled wood

SHREDDER MOTORS

2 × 7.5 kW, two shredder shafts

INLET

1,200 × 800 mm

SHREDDING TIME

0–20 minutes, adjustable

CIRCULAR

From residue to heat.

5 Money saved

Scrap becomes fuel instead of a cost – and you no longer have to buy the heat.

4 Heat

For the farm or the property.

What would otherwise cost money to get rid of becomes fuel. The Shredder makes the residues burnable – and the boiler turns them into heat you no longer need to buy.

1 Residues

Wood offcuts, pallets and scrap. The Shredder also handles slaughterhouse waste.

2 The Shredder

Shreds the material automatically, for a set time.

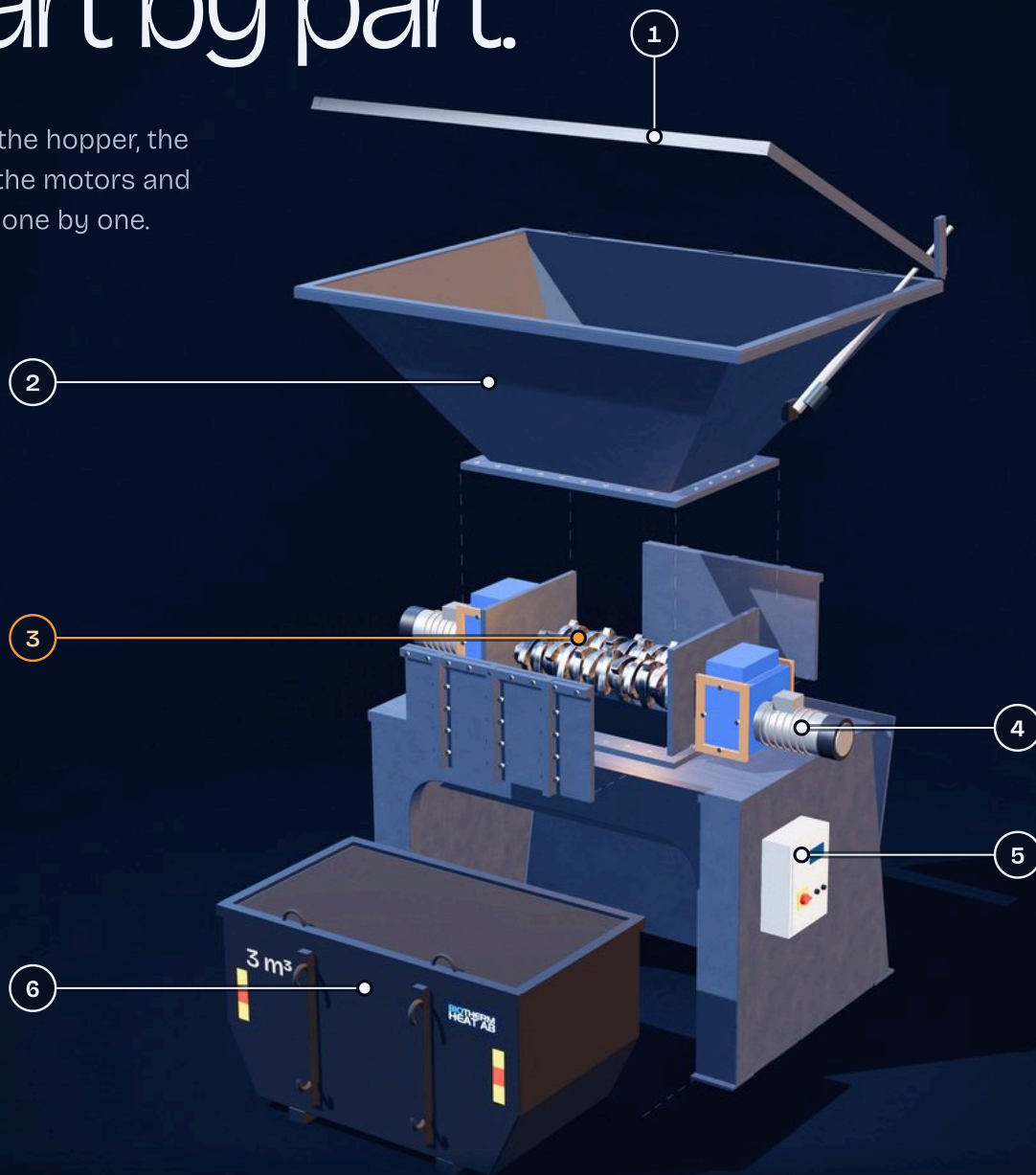
3 Fuel

The boiler burns the shredded material.

EXPLODED VIEW FROM THE FRONT

Part by part.

The lid, the hopper, the shafts, the motors and the bin, one by one.



① Electric lid

0.55 kW actuator and limit switch.

② Hopper

Inlet 1,200 × 800 mm.

③ Two shredder shafts

Shred slaughterhouse waste and wood material.

④ Shredder motors

2 × 7.5 kW, 15 kW in total.

⑤ KA1 control

Shredding time 0–20 minutes.

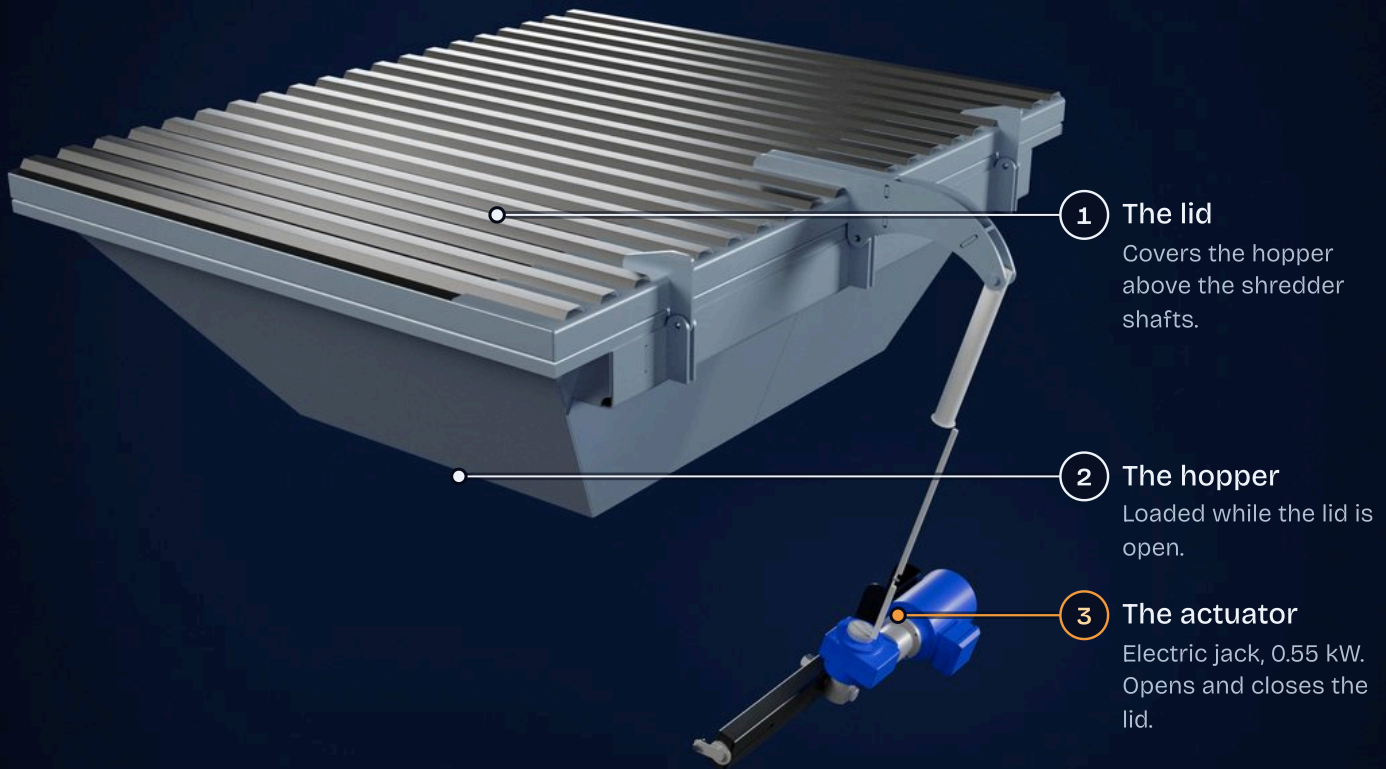
⑥ Bin, 3 m³

Or a conveyor belt.

— SAFETY AND CONTROL

Runs only with the lid closed.

If the lid is opened during shredding, the shredder shafts stop and the process must be restarted.



SAFETY SWITCH

Confirms the lid is closed before operation.

LIMIT SWITCH

Stops the actuator when the lid is fully open.

REMOTE CONTROL

Wireless, for the lid. Available as an accessory.

KA1 CONTROL

Automatic and manual operating modes.

START CODE

Before every shredding cycle. Status indication, A and B alarms.

PROTECTION

Motor protection and emergency stop.

TECHNICAL DATA

Two widths.



The Shredder

1,200 × 800_{mm}

INLET

Two shredder shafts for slaughterhouse waste and wood material.

Shredder motors	2 × 7.5 kW, 15 kW in total
Shredding time	0–20 min, factory-set to 5 min
Loading	Hopper with closable lid
Lid opening	Electric actuator, 0.55 kW*
Control system	KA1 – Kross Automatik, automatic and manual
Protection	Motor protection and emergency stop
Discharge	3 m ³ tractor bucket or conveyor
Material	Slaughterhouse waste and wood material
Accessories	Wireless remote control for the lid



The Shredder now comes in two widths – with a shaft width of 1,200 or 2,400 mm.

The Shredder Wide

2,400 × 800_{mm}

INLET

Two shredder shafts with double the shaft width – for longer planks and longer material that could otherwise get stuck in the hopper. The hopper has vertical short sides.

Shredder motors	2 × 7.5 kW, 15 kW in total
Shredding time	0–20 min, factory-set to 5 min
Loading	Hopper with vertical short sides and closable lid
Lid opening	Electric actuator, 0.55 kW*
Control system	KA1 – Kross Automatik, automatic and manual
Protection	Motor protection and emergency stop
Discharge	3 m ³ tractor bucket or conveyor
Material	Longer planks and longer material
Accessories	Wireless remote control for the lid

* Actuator motor output according to the KA1 User Manual, version 1.0. The stated 15 kW refers to the shredder motors and 3 m³ to the volume of the collection bin; the same for both shredders. Data according to Biotherm Heat AB, subject to change.

Choose where the material goes next.

01

Tractor bucket, 3 m³

The bin stands beneath the Shredder and collects the material for further handling.

02

Conveyor belt

A belt beneath the Shredder carries the material on automatically – for example to a wood-chip store when shredding wood.

The bin



ALL THE WAY WITH BIO THERM

Needs analysis

Your material and flow.

Design

3D drawings.

Manufacturing

The Shredder is our own.

Installation

Commissioning and fine-tuning.

Training

In operation and maintenance.

Service

Alarms and remote monitoring.

FREE NEEDS ANALYSIS

Let's talk about your material flow.

Tell us what you want to shred and where the material needs to go. We take responsibility for the whole solution – from the Shredder and the fuel store to the heat in the building.

TELEPHONE

+46 (0)921-578 00

EMAIL

info@biothermheat.com

HEAD OFFICE

Utvreta 13
725 92 Västerås

LOCAL OFFICE

Luleå



READ MORE

biothermheat.com

The Shredder is manufactured in-house by Biotherm Heat AB. Technical data according to Biotherm Heat AB and the KA1 User Manual, version 1.0, subject to change. © 2026 Biotherm Heat AB.