

ALL FROM A SINGLE SOURCE – UNTHA SUPPLIES SHREDDERS INCLUDING CONVEYOR TECHNOLOGY

OWI GmbH

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With the LR 1400, we can easily shred very large, bulky residual wood with metal inclusions. We use the wood chips in our own heating plant. This saves us 125,000 liters of heating oil per year and means we no longer have to rely on external disposal companies, which saves us time and money.

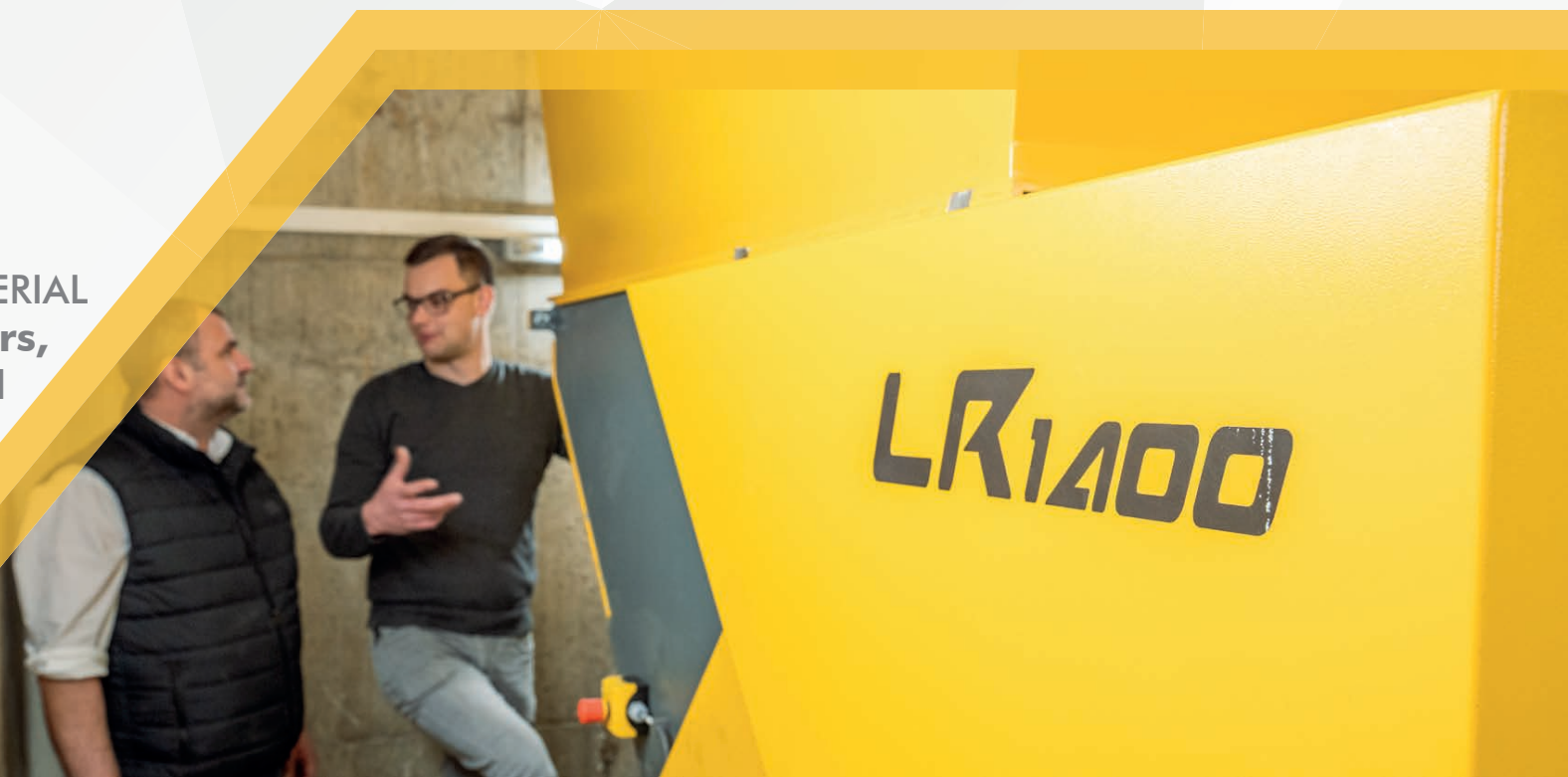
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» MATERIAL

**Plywood panels, veneers,
pallets, solid wood**

» SHREDDER LR1400

» THROUGHPUT
approx. 1,000 kg/h





CUSTOMER

OWI GmbH is a medium-sized family-owned company with production sites in Germany and Hungary. Since 1927, the company has specialized in the manufacture of molded parts made of wood and plastic: seat shells, seat pads, stadium seats, loudspeaker housings, injection molded parts, and technical molded parts.

APPLICATION

The company was looking for a shredding solution for particularly large or bulky wood waste from production, including scrap wood, MDF, solid wood, and residual wood from load carriers and pallets. The aim was to find a shredder that could also handle metal impurities such as sleeves, screws, nails, and metal plates and separate the metal content fully automatically.

SHREDDING SOLUTION

The UNTHA LR1400 is the optimal shredding solution for OWI: this powerful single-shaft shredder ensures efficient recycling of particularly large parts. The cutting mechanism is extremely robust and therefore resistant to metal inclusions in the wood – these are shredded without any problems. The shredder stands in a pit and is fed by a feed conveyor with increased safety devices. Residual wood can also be fed manually or directly into the hopper using tipping boxes. The wood chips are fed via a sophisticated screw conveyor system to the drum magnet, which separates the metal content fully automatically. The cleaned wood chips are transported by an extraction system to the silos, from which the heating system is supplied.

OWI processes approx. 300 tons of residual wood per year with the UNTHA LR1400 and uses the wood chips in its own wood chip furnace. This supplies the entire company with heat energy, saving up to 125,000 liters of heating oil.

REQUIREMENTS

- » Shredding of large and bulky residual wood with a high metal content
- » Fully automatic metal separation without manual intervention
- » Maximum operational and personal safety
- » Integration of on-site feed and safety technology

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The LR1400 meets all our expectations and the UNTHA team has also impressed us thoroughly. Initial consultation, detailed planning, installation, commissioning – everything from a single source and in great cooperation with our in-house maintenance team. We are very satisfied.

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– Markus König
Production Manager in
the wood division at
OWI GmbH

