

Energy from waste wood

Holzbau Rohrmoser relies on UNTHA shredding technology to heat its business premises as well as the adjacent residential building

The Rohrmoser carpentry and timber construction business based in Flachau/Salzburg appreciates the quality of the UNTHA LR700 shredder. The waste wood from the company's production as well as building sites is processed by the compact shredder into high-grade fuel for a wood-chip heating system. The business and the residential building that joins it cover their energy needs for the winter with the material produced in-house.

Wood is a precious resource and a fuel source produced in Austria, making it crisis-proof and renewable. This not only means that value creation stays in the region, but also constitutes a possibility for woodworking and timber-processing businesses to use their waste wood efficiently – as is the case for Holzbau Rohrmoser in Flachau. “By utilising and shredding the waste wood from our production and building sites as well as from disposable pallets, we are able to dispose of waste wood quickly and use 100% of it as an energy source”, says proprietor and master carpenter Johann Rohrmoser. The business was founded in 1992, employs six people and does general carpentry work, builds wooden houses, car ports, roof structures, balconies and “anything else that comes along”, as Johann Rohrmoser puts it.

LR700: robust, compact, crucial

Rohrmoser first began to use an LR700 unit from UNTHA shredding technology for the shredding of waste wood around Christmas 2016. Johann Rohrmoser sees the benefits of the unit in the cutting system with a swivelling pusher and the low maintenance requirements. Waste wood from joinery constructions, splinters from circular saw operations and waste wood from the construction sites are all fed into the shredder and are mixed with wood shavings, resulting in a particularly productive heating material. The chips are extracted into the chip silo straight after the shredding process, where they are stored until the winter, when they are fed into the wood chip heating plant via a discharge system. “The wood chips see us through the winter”, says Johann Rohrmoser, who uses the heating plant not just for his business, but also for his home that adjoins it. The LR700 shredder is filled twice a day and runs for an hour each time. In the three and a half years since the unit was first put into operation, it has completed approximately 250 operating hours. It is the second UNTHA unit in operation at Rohrmoser, where a smaller, two-shaft shredder provided a valuable service over many years. Johann Rohrmoser is more than happy with the purchase he made in 2016. He sums up the main features of the unit: “It is robust, compact, and crucial to us in our daily workflows”.

Flexible LR series

With the LR series, UNTHA offers a family of machines that ensure compact shredding for carpentry workshops, cabinetmakers, joiners, sawmills and timber industry businesses of all sizes. These shredders with tried-and-tested single-shaft technology come with rated capacities from 11 to 60 kW and fulfil the needs of smaller as well as larger players. Overall, the LR series stands out for its efficient cutting system, longevity and reliability. All models of the LR series have a high level of efficiency and economy and are maintenance-friendly. For users, this translates into homogeneous wood chips ranging from 12 to 80 mm, at a low cost and with little effort in terms of operation. The final product is suitable for wood-chip heating plants and for briquetting, which offers yet another layer of energy efficiency for users who are able to recycle their own residual wood. Thanks to UNTHA shredding technology, users of the LR series are able to make an important contribution to the sensible use of precious raw materials that nature provides.

UNTHA shredding technology

Reliable shredding technology that goes back more than 50 years!

UNTHA shredding technology develops and manufactures customised, reliable shredding systems that are used in a wide range of applications, from material recycling to processing of residual and waste wood and the reprocessing of waste to produce alternative fuels. In this way, the company makes an important contribution towards the conservation of resources and the sustainable processing and reduction of waste.

The company was founded in 1970 and is headquartered in Kuchl near Salzburg. UNTHA has more than 250 highly qualified employees and a worldwide sales network that spans 40 countries on all continents, placing it among the world's leading manufacturers in this growing, future-orientated industry.

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