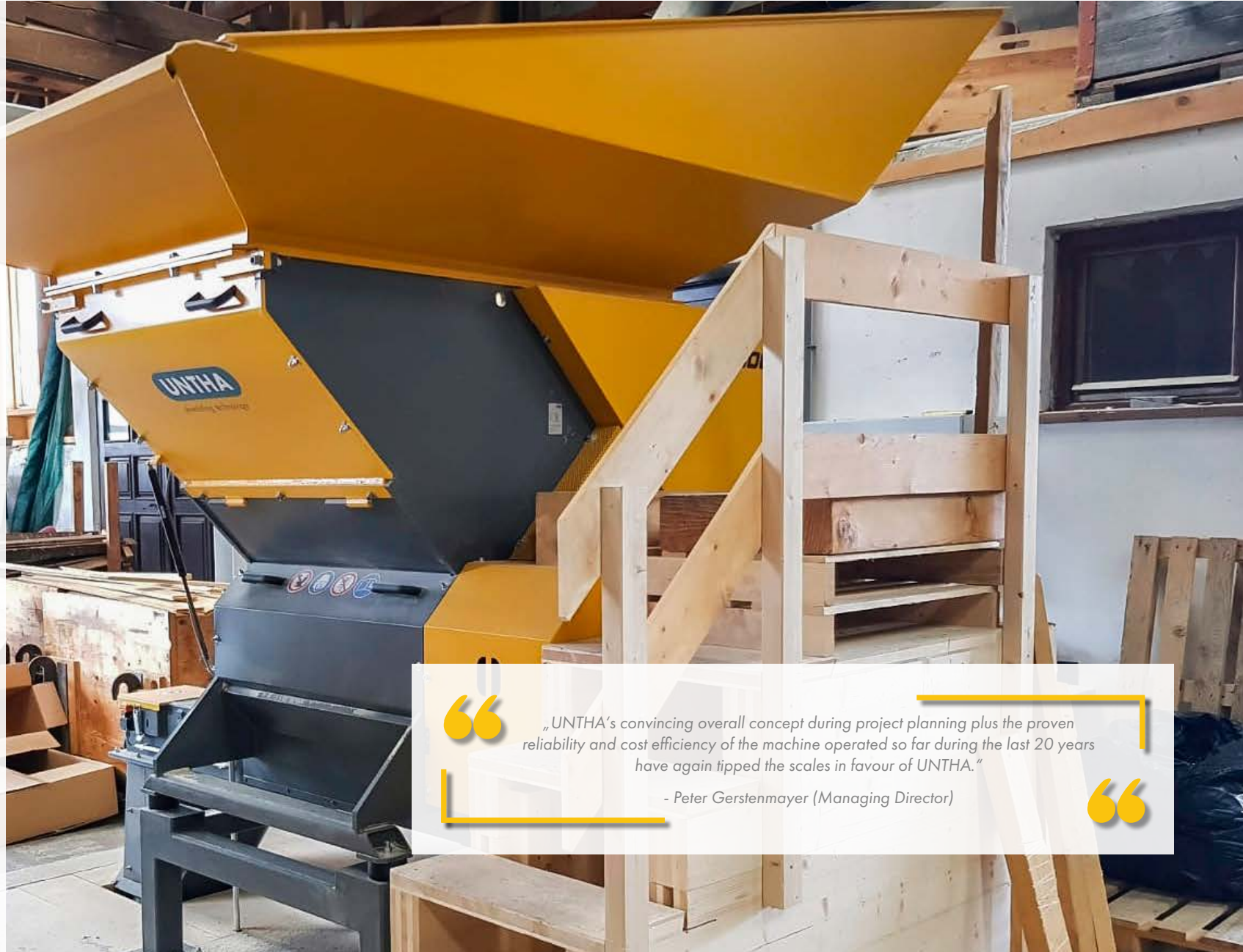




The reliable brand!

Customer Success Story



CUSTOMER
**HOLZBAU GERSTEN-
MAYER GmbH**

MATERIAL
**Waste wood from pro-
duction and construction
sites**

SHREDDER
LR1000

THROUGHPUT
800 kg/h

“

„UNTHA’s convincing overall concept during project planning plus the proven reliability and cost efficiency of the machine operated so far during the last 20 years have again tipped the scales in favour of UNTHA.“

- Peter Gerstenmayer (Managing Director)

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CUSTOMER

The Lower Austrian timber construction company Gerstenmayer in Karlstetten was founded in 1903 as a carpentry and sawmill by the great-grandfather of the current owner, Peter Gerstenmayer, and is now run by the fourth generation. The focus of the company is on complete solutions in the field of timber frame construction and solid timber construction – from the first draft to the submission and foreman’s plan, energy certificate and final inspection. Today, ten highly qualified employees manufacture roof trusses, halls and special constructions for their own projects as well as constructions for contract joinery with the help of two fully automatic CNC-controlled joinery systems.

CHALLENGE

Over the years, the quantities of residual wood have grown steadily. At the same time, the legal requirements have increased, especially for extraction, filter and silo technology. Gerstenmayer has therefore decided to put the entire residual wood processing on a new, sustainable footing. A throughput of around 800 kg/h was also required.

SHREDDING SOLUTION

The decision was made in favour of the LR1000 from UNTHA with a 45° machine housing. The larger machine

housing enables larger quantities of residual wood to be fed in at once and shredded efficiently within a very short time. Thanks to the aggressive LR cutting system, the standard drive power of 22 kW with only 27 blades was sufficient to meet the nevertheless high requirement. The LR1000 also scores in terms of ease of use and maintenance: To exploit the maximum life of the blade edges, turning them once is sufficient. Thanks to its design, the swivel slide technology does not require sliding guides, which means that there is neither wear nor maintenance in this area. An additional hopper structure increases the filling volume of the machine and creates the possibility to discharge even from large boxes and buckets – feeding is done manually and by forklift. Control cabinet heating and low-temperature lubricants ensure decades of safe operation even at sub-zero temperatures.

PURCHASING DECISION

After a robust LR700 had already been reliably shredding residual wood in the timber construction company for almost 20 years with minimal maintenance and energy expenditure, it was obvious to rely on the proven technology from UNTHA again. After intensive consultation and joint development of an overall concept including conveyor

technology, the large residual wood cross-sections meant the choice fell on the UNTHA LR1000. Another plus point for a shredding solution from UNTHA is that the company offers its customers everything from a single source – from planning and project planning to commissioning with all the necessary peripheral equipment. This advantage was also used by Gerstenmayer with regard to the conveyor technology, for which UNTHA was able to use the technology of an Austrian manufacturer of conveyor technology due to its good experience. The requirement was that the granulate produced should be dropped into the bunker by means of a long ascending screw at a height of about seven metres and distributed evenly by a distribution screw. The control of both screws with corresponding pre- and post-run times, the safety-related integration of the hopper door as well as the shutdown of the system in case of a hopper full level signal should be carried out via the control system of the shredding machine.