



# SHREDDING WASTE INTO PROFIT

In modern mill and wood processing plants, adding value all along the production chain has become a "must have". ANDRITZ Universal Shredders provide a vital link in the chain by solving waste wood problems at the same time as turning them into valuable, sellable products.

"We have always been early adopters of new technology here," says Nils Andersson, Production Manager and Chairman of the Board, AB Hilmer Andersson. "It's our ingrained strategy to make the very best of the wood coming in, take out the most value, and to be the cost leaders in the products we produce."

Andersson, a fourth-generation family member related to the original founder, is speaking from the board room of AB Hilmer Andersson, one Sweden's most efficient and profitable sawmills. The company is located close to the Norwegian border, near the small town of Lässerud in the west of the country. The company produces around 200,000 m<sup>3</sup> of sawn goods per year for the construction industry, mainly the industrial sector.

A saw milling operation the size of AB Hilmer Andersson obviously creates a lot of wood waste, and the company recently embarked on looking for the very best solution to deal with it, at the same time as looking for ways to add value. This also

coincided with its old solution, a small inefficient and unreliable drum shredder, breaking down completely. "When you are producing as much sawn timber as we are," continues Andersson, "there is always a lot a waste wood generated due to the offcuts, rejects, or poor-quality logs that come into the site. As we are a lean production facility, we do not have the space to have piles of waste wood lying around.

"We needed a solution that could deal with all different shapes, sizes, and types of wood waste, at the same time as being fast, efficient, and reliable and, most importantly, add value so we could sell any side-stream products on. Another important feature we were looking for was one that would eliminate fire risk; we had problems with fire on numerous occasions with our old drum shredder."

## ANDRITZ UNIVERSAL SHREDDER FRP – THE RIGHT FIT

AB Hilmer Andersson already had knowledge of ANDRITZ through its recent acquisition of Franssons, a company that has a long history in the wood processing industry. After looking around at a number of other suppliers, it was decided that the very latest ANDRITZ Universal Shredder FRP would be exactly the right fit for what was needed at the sawmill.

John Fransson, Sales & Product Manager, ANDRITZ Recycling, says, "We listened intently to what the requirements were at AB Hilmer Andersson, and we came to the conclusion that the latest ANDRITZ Universal Shredder FRP technology would be the perfect solution for what the sawmill needed."

The FRP has the very latest in innovative technology from ANDRITZ and has a very high throughput, up to 10-12t/h, even though it is a slow-rotating shredder. The FRP shredder works using 74 knives arranged into two rows. The system will process wood waste from offcuts from the saw mill, shredding it into chips, which are finally used as biomass for heat generation. The single-shaft shredder processes the material in one step to the granulate size of 60 mm and importantly even shreds large logs into manageable pieces.

AB Hilmer Andersson took delivery of the ANDRITZ Universal Shredder FRP late last year, and so far the results are very positive. Andersson says, "When we were looking around for a new solution, we automatically thought we should just go for a bigger drum chipper, but we were also discussing that we needed a solution for all types of

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**NILS ANDERSSON**  
Production Manager and Chairman of the Board  
AB Hilmer Andersson



wood waste from the site, offcuts from the sawmill, yes, but there are a lot of other kinds of waste around the site, breakages, rejected logs, broken pallets.

"The FRP is perfect for all our waste; the offcuts from the sawmill come in via a conveyor, and any other waste around the mill can be picked up by forklift truck and dropped into the shredder from above. Also, the built quality is so robust that we don't have to worry about the odd stone or pieces of metal as the shredder is designed to cope with all sorts of different, hard, or tough materials. It also has an extremely quiet operation, even when running at full capacity."

Fransson concludes, "ANDRITZ Recycling is a specialist in reject treatment in the pulp

and paper industry, and the ANDRITZ Universal Shredder FRP is a prime example of how mills can deal with the problem of waste wood, bark, or rejected logs from all around the mill or woodyard, at the same time as finding another valuable side-stream from the production process."

### CONTACT

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**FOR FURTHER INFORMATION SEE PAGE 2**

Nils Andersson, Production Manager and Chairman of the Board at AB Hilmer Andersson, and John Fransson, Sales and Product Manager, Recycling, at ANDRITZ, in front of the ANDRITZ Universal Shredder FRP



Small footprint, high throughput; the FRP is built to last for many years of heavy-duty operation, and due to its slow rotation and innovative shredding technology, it very quiet when operating.

