

EuRec S-850 vs. ARJES VZ 850

Efficiency test in recycling of waste wood with Schaumaier Recycling Group

Located directly on the Bavarian Chiemsee, the Biomassehof Chiemgau recently became the venue for an impressive practical test. The efficiency and performance of two shredding machines for processing waste wood were put to the test: the new EuRec S-850 and the well-established ARJES VZ 850. The goal of the comparison test was to evaluate the quality of both machines in shredding pallet wood.

The protagonists

The ARJES VZ 850, powered by a robust 16-liter diesel engine with 565 kW, is already considered a reliable two-shaft shredder in the recycling industry. Opposite it stood the new challenger, EuRec S-850, equipped with an efficient and environmentally friendly 11-liter diesel engine with 315 kW. At first glance, there seemed to be hardly any difference in throughput performance, as both machines reached about 50 tons per hour.

What initially appeared to be a neck-and-neck race ultimately revealed itself, thanks to the advanced design within the shredding unit, as a clear success for the new generation of machines, the EuRec S-850. With nearly identical throughput performance, the EuRec shredder produced significantly finer output material. About 30 tons of shredded wood waste could be processed to a final particle size between 0 and 100 mm. In contrast, the VZ 850, with the same configuration and rotation speed of the shredding shafts, only achieved 25 tons in the 0 to 100 mm range.

The result

This comparison test impressively demonstrated that the EuRec S-850, despite its smaller engine, delivers excellent performance while producing a finer end product. This assurance makes the upcoming market launch of the EuRec S-850 appear particularly promising to us.

Our special thanks go to the Schaumaier Recycling Group, which provided us with the opportunity to conduct this practical test at their Biomassehof Chiemgau. The certified waste management company specializes in accepting waste wood of classes A-I to A-IV for thermal and material recycling. Since 2022, Schaumaier has been operating at the Chieming site with the VZ 850. In 2024, another reliable ARJES twin-shaft shredder, the EKOMAXX 800, was acquired and is set to be used at various locations within the Schaumaier Group.

'The decision for the ARJES brand was the logical consequence of a long and intensive market analysis of various providers. Competent advice, an excellent price-performance ratio at the time of purchase, and low maintenance costs during ongoing operations made the decision very easy for us! From our perspective, it's a really good partnership!' says Claus Egger, Managing Director of the Schaumaier Group.

With 65 trucks, 210 employees, 150,000 square meters of operating space at 9 locations, and over 225,000 tons of handling per year, the Schaumaier Recycling Group is one of the "big players" in southern Germany when it comes to the disposal and recycling of all types of materials. We can look forward to seeing when the next investment in a shredding machine from ARJES or EuRec will take place.

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Editor: Martin Priewe (ARJES GmbH)

Picture attachments

Photos: Martin Prieue (ARJES GmbH)



Caption:

The new EuRec S-850 and the proven ARJES VZ 850 in a comparative test for shredding pallet wood



Caption:

Expert training of the Schaumaier machine operator by our ARJES field service representative



Caption:

With a throughput of approximately 50 tons per hour, the EuRec S-850 was able to process about 30 tons of fine material in the 0 - 100 mm range.



Caption:

View of the Biomassehof Chiemgau, an operation of the Schaumaier Recycling Group