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Vecoplan expands its VHZ series of wood shredders:

VHZ 1600 – energy-efficient wood shredding

A strong addition to the family

Following the launch of the VHZ 600-1100 series (Vecoplan wood shredders), Vecoplan has expanded the series to include stronger components, the VHZ 1300 and the VHZ 1600. Since this technology can be used to reliably process wood leftovers, the compact series is suitable for applications in the woodworking industry and for carpenters, cabinet makers and joiners. The patented drive technology “ESC Drive” sets new standards in energy efficiency and ensures minimal operating costs. The two new shredders are also the first machines in the Wood I Biomass sector to be manufactured by Vecoplan in the new industrial design.

In response to market demands, Vecoplan has now designed and built the VHZ 1600, the “big brother” of the smaller, compact and sturdy shredders of the VHZ series. Medium-sized companies in the woodworking industry in particular had requested a heavier series of shredders for a wide variety of applications.

Wood processing companies can use this robust shredding solution to process chipboard, bark, cardboard, softwood, hardwood and solid wood leftovers, turning them into wood chips and material suitable for making briquettes. The patented ESC Drive is installed in the compact units – with a motor output of 55 to 90 kilowatts, this asynchronous motor with its powerful frequency converter is energy-efficient, inexpensive and economical in operation. Compared with competitors’ products, it allows users to save up to 25% in energy thanks to its improved efficiency. The belt drive features sophisticated slippage control plus extraneous material detection – and fast reversing and restarting makes the ESC Drive very dynamic. Users can easily modulate the throughput during operation, because the speed range of the drive is variably adjustable.

The new machines have also been given a completely new design. In the course of developing the VHZ 1600, the Vecoplan engineers made more enhancements, combining

the functional areas of the machine among other things. The hydraulic drive and the ESC Drive are mounted at a central position on the machine body, enabling simple and fast maintenance work. The cutting unit consists of a profiled rotor with easy-to-change profiled counter-knives that can be used on both sides. The arrangement of the cutting tips and the optimised rotor configuration ensure a homogeneous output particle size.

With the single-shaft shredders from the VHZ series, companies have universal and frequently-used machines at hand which can handle most applications without additional feeding systems. With this series, the user can feed in the collected materials directly, with no dosing. The hydraulically-powered ram feeds it all quickly and easily into the shredding mechanism.

Meta title: Vecoplan expands its VHZ series of wood shredders to include more high-performance machines

Meta description: The compact VHZ 1300 and VHZ 1600 shredders are reliable machines for processing wood leftovers in the wood processing industry.

Keywords: Vecoplan; Shredders; VHZ 1600; VHZ 1300; Processing; Wood processing industry

Captions



Image 1: Vecoplan has expanded the VHZ series with its big brother, the VHZ 1600. The compact machine processes wood leftovers extremely reliably.



Image 2: The new shredder has been given a new industrial design – and its compact form, plus the combination of the hydraulic drive and the ESC Drive in a central position mean trouble-free, easy maintenance for users.

Photo credits: Vecoplan AG

The high resolution images can be downloaded [here](#).

Vecoplan AG is a leading manufacturer of machines and systems for the resources and recycling industry for shredding, conveying and reprocessing wood, biomass, plastics, paper and other recyclable materials such as domestic and industrial waste. Vecoplan® develops and manufactures the systems and components, and sells them worldwide in the wood reprocessing and waste processing industries. It currently has around 380 employees at its locations in Germany, the USA, Great Britain, Spain and Poland.

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