



New approaches in mobile shredding

With the development of the mobile shredder TDS V20, the British company Terex® Environmental Equipment has achieved a genuine innovation and an international market success. The core of the system is the powerful, reliable shredder VNZ 200 XL H from Vecoplan.



Specialist partner in shredding technology

When developing the mobile shredder TDS V20, the company Terex® Environmental Equipment required an implementable shredding solution for various input materials (waste wood, biomass, domestic and commercial waste, plastics).

Robust, powerful technology was sought with high throughput and high availability for a shredder running at medium speed. On the basis of experience and the leading technology, ultimately a solution from the shredding specialist Vecoplan was chosen.

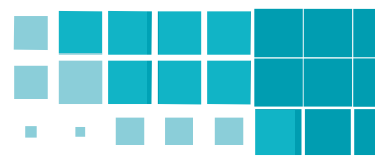
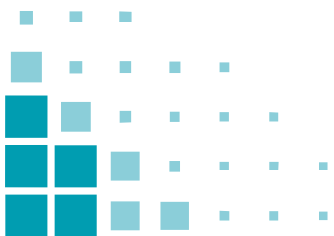
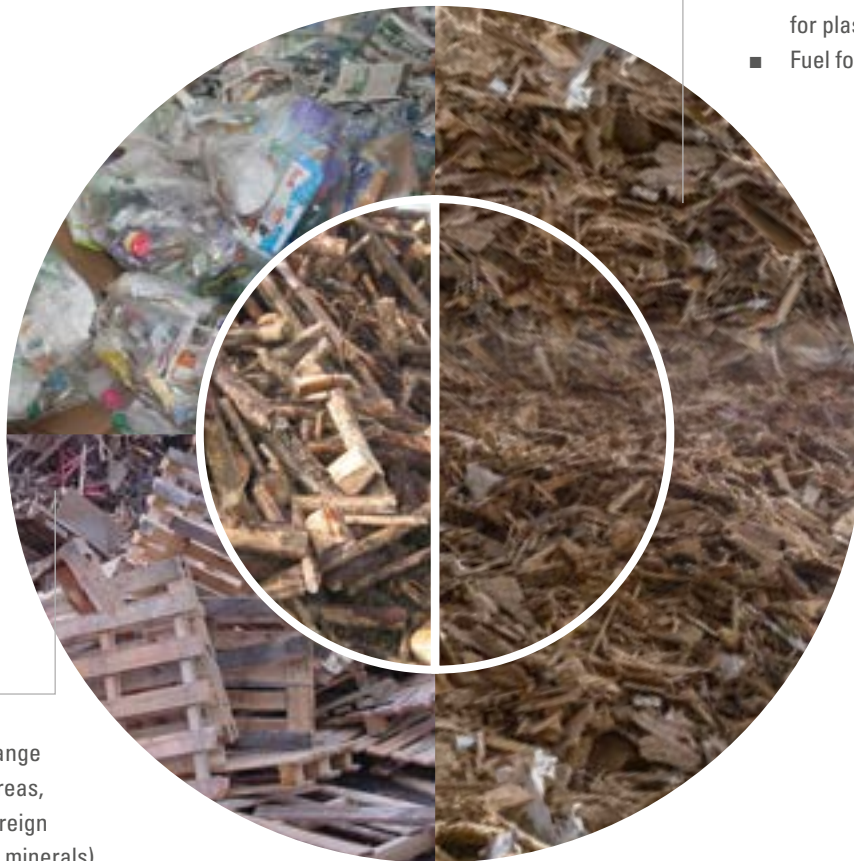
Output material

- RDF for energetic use in power plants
- Turf for further marketing
- Plastic flakes as raw material for plastic processing
- Fuel for CHP power plants

Input material

From an extremely wide range of sources and disposal areas, in some cases includes foreign objects (metal, non-metal, minerals)

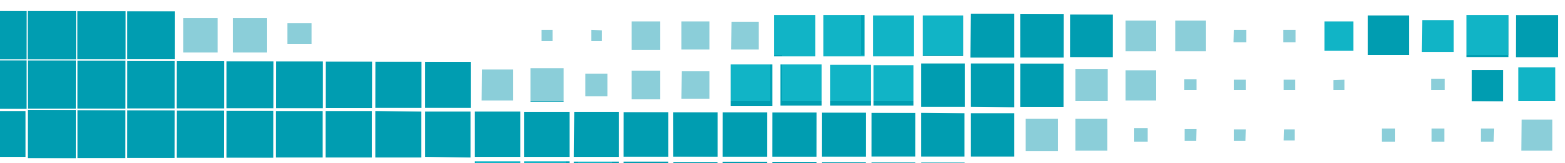
- Demolition wood
- Green waste/Forest waste wood
- Plastics
- Domestic and commercial waste





Customised for Terex[®] customers

Vecoplan adjusts the shredder on a customised basis in accordance with the application and requirements of the Terex[®] customers. On the basis of in-depth material and shredding expertise and extensive empirical values, rotors, blades and the overall process are geared to maximum throughput and optimised output quality. Terex[®] can thus offer its customers a solution which provides a consistently impressive result in terms of performance and cost-effectiveness.



Tailored to Terex®

Tasks of Vecoplan

First the shredder had to be adjusted to the dimensions specified by Terex®. Vecoplan was also able to provide support in tuning the drive and the controller (not from Vecoplan). Further services:

- Specialist consulting concerning all aspects related to shredding
- Detailed information on the shredder
- Conducting a pilot project

Efficient and safe

Pre- and re shredder-Einheit

VNZ 2000 XL H

- Equipped with two rotors – each individually adapted
- Geared to performance, availability and output quality
- High throughput 5 - 40 t/h depending on the application and screen size
- Homogeneous particle size of the output material
- Quick blade replacement, low wear and maintenance costs

Vecoplan Flipper for maximum safety

- Reacts immediately to foreign objects (such as large metal parts)
- When foreign objects are detected, the counter-blade and screen are immediately disabled using air springs – the plant stops
- Provides reliable protection against serious rotor, gear and drive damage



Extensive Benefits

Terex® Customers profit through

- Robust, high-performance shredding
- Customised solutions
- High throughput, maximum availability
- Simple maintenance, low wear costs
- Short delivery times
- Continuous further development

Terex® profits through:

- Vecoplan experience, expertise and technology
- Attractive complete solution
- Very great demand for the TDS
- End customer satisfaction



„The launch of the TDS V20 from the Terex & Vecoplan partnership is revolutionising the mobile shredding industry. The Vecoplan VNZ 200 XL H chamber offers the unique combination of medium speed shafts, an accurate cutting action, sizing screens and tramp material protection. Our customers are benefiting from one pass production and minimal fines creation, reducing running costs and maximising profits.“

Conor Hegarty, International Sales Director,
Terex® Environmental Equipment



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