



The power pack among the single-shaft shredders

Completely robust, consistently powerful. The single-shaft-shredders VEZ 2500 and VEZ 3300 are equipped with the latest Vecoplan technology, bringing maximum efficiency and profitability in alternative fuel processing. The HiTorc-Drive saves energy, the tramp material detection minimises downtimes, our rotors deliver a consistently high throughput, and the optimised accessibility reduces maintenance and service costs.



Full power for a throughput capacity of up to 80 tons

Thanks to the optimal interaction of all components, the VEZ 3300 achieves a consistently high throughput of up to 80 tons per hour.



Pure shredding power

As a pre shredder, the VEZ 2500 and the VEZ 3300 are extremely tough. All areas exposed to particularly high forces and loads in the shredding process are very robustly built. The result is that the VEZ 2500 as well as the VEZ 3300 consequently push through.

When it gets tough, and large metal parts arise, the tramp material detector takes action and protects the machine. Thanks to the hydraulic base flap, the tramp material is removed in an instant – There is only a brief interruption. The single-shaft pre shredders offer particularly profitable operation with constantly high throughput and homogeneous output quality.



Input material

- Domestic and industrial waste
- Waste wood
- Plastic and lightweight packaging
- Textiles and non-woven material
- Bulky Waste

Output material

In pre-shredding:

- Alternative fuel (RDF)
- Particle size < 250 mm
- Homogeneous output
- Optimally prepared for re shredding

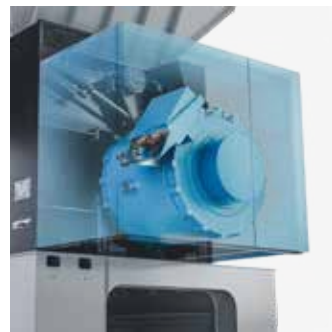
In single-stage shredding:

- Particle size up to < 40 mm
- Homogeneous output

The latest Vecoplan technology

As the latest development, the VEZ 2500 / VEZ 3300 uses the best Vecoplan technologies. The machines are excellently equipped and benefit from many clever details for pre-shredding.

The HiTorc-Drive and W-rotor are systems which you can only find at Vecoplan. Therefore we can implement unique solutions for you in reprocessing alternative fuel, providing you with a clear competitive benefit.



HiTorc-Drive

- Frequency-controlled, powerful HiTorc-Drive
- Drive power 155 kW (VEZ 2500) or 1 x 355 kW, 2 x 155/180 kW (VEZ 3300)
- Optimised starting current, efficiency and torque
- Start-up with filled machine
- Considerably reduced peak current in the shredding process
- Energy saving of up to 60 % compared to conventional drives
- As gearless drive, virtually maintenance-free and noiseless



6-part counter-knife (VEZ 2500)

8-part counter-knife (VEZ 3300)

- Easily adjustable and exchangeable
- Optimised cutting performance thanks to small blade gap
- Consistent throughput and consistent material quality



Rotors

- For maximum cutting performance and high throughput – up to 80 tonnes/hour
- Each cutter can be used up to 4 times
- Rapid cutter replacement/modification
- Long durability, low costs
- Homogeneous output quality



VSC.Control – Vecoplan Smart Center

- Maximum shredding efficiency
- For increased productivity and more energy-efficient operation
- Intuitive adjustment of machine parameters
- Usable on all common mobile devices



Frequency-controlled orbital ram

- With infinitely adjustable ram speed
- Adapted to the input material
- For an optimised shredding process
- High throughput even with tricky, very light input materials



Collision and impurity detection

- Sensor-assisted detection analyses normal operation of the machine
- Independent and automatic detection of anomalies during the shredding process that could lead to damage to the machine
- System flexibly adjustable to a wide range of input materials and applications



Optimal handling of tramp material

- Automatic tramp material detection
- Machine damage avoided as a result
- Practical, rapid removal of tramp material via hydraulic base flap
- Tramp material can be easily removed from the counter-knife bar when the base flap is opened
- Downtimes are consistently minimised



Automatically adjustable counter-blade

- Automatically adjusts to set the optimal cutting gap
- Consistently high output quality, regardless of the operator
- Offers high throughput by always running at optimum efficiency
- Optimum operating conditions even as tool wear progresses



Efficient RDF-processing across the board

Benefit from the advantages of a complete VEZ shredding system for alternative fuel reprocessing: the machines provide a continuously optimised, safe process with constantly high and more homogeneous RDF-output quality with consistent profitability.

We enable the integration of the shredders into existing processes and shredding lines, as well as the setup of a completely new EBS processing plant. We provide you with complete concepts including engineering, planning and all modules required for a profitable investment – controls, belt conveyors, drag chain conveyors, FE separators, air separators, disc screens, loading stations ...



Enjoy the benefits!

With the VEZ pre- and post-shredding system, our customers benefit from the most robust construction combined with state-of-the-art Vecoplan technology. Rely on our high-performance machines for the shredding stage of your EBS processing.

- Maximum reliability and availability
- Cost reduction thanks to energy efficiency and maintenance and service optimisation
- Best value creation through consistently high, premium-quality output
- Support from the Vecoplan Live Service via VSC.connect

Details		VEZ 2500	VEZ 3300
Machine dimensions	mm	2,190 x 5,205 x 2,200	2,190 x 6,035 x 2,200
Machine weight	t	ca. 26	ca. 32
Inlet cross-section	mm	1,940 x 2,500	1,940 x 3,330
Rotor dimensions	mm	Ø 800 x 2,492	Ø 800 x 3,321
Rotor speed	UpM	20–100	20–180
Number of counter-knife bars	Units	1	1 (optional 2)
Counter-knife		6-part	8-part
Rotor geometry		V-rotor	
		W-rotor	
		Block knife-rotor	
Drive power	kW	1 x 155	1 x 355 / 2 x 155 / 2 x 180
Screen	mm	40–250	
Throughput	t/h	up to 40	up to 80

Subject to technical changes without notice Detailed dimension drawings and load data on request. Last updated 04/2026