

Top performance in alternative fuel shredding

The VEZ 2500 is the Vecoplan high-performance shredder specially designed for the production of alternative fuels from production and sorting residues, packaging materials and the high-calorific fraction from household and commercial waste for energy recycling in cement and power plants.

20 tonnes of pure shredding power

As a re shredder, the VEZ 2500 T/TT is tough. The machine housing is a thick-walled, ribbed construction with optimal functional machine geometry for powerful and trouble-free operation with a maximum service life. The high performance cutting unit consists of a large cylindrical solid steel rotor and two solid counter-knives with double the number of cuts per rotation for maximum throughput and a very homogeneous output grain.

When particularly hard parts, such as large metal parts, get through, the extraneous material detector takes action and protects the machine. Thanks to the hydraulic base flap, the extraneous material is removed in an instant – the machine only stops momentarily. The VEZ 2500 T/TT offers particularly profitable operation with constantly high throughput and homogeneous output quality.

Input material

- Pre shredded, FE/NF-free and air-sifted materials
- Light fraction from municipal, industrial and commercial waste 90–120 kg/m³ (< 300 mm)

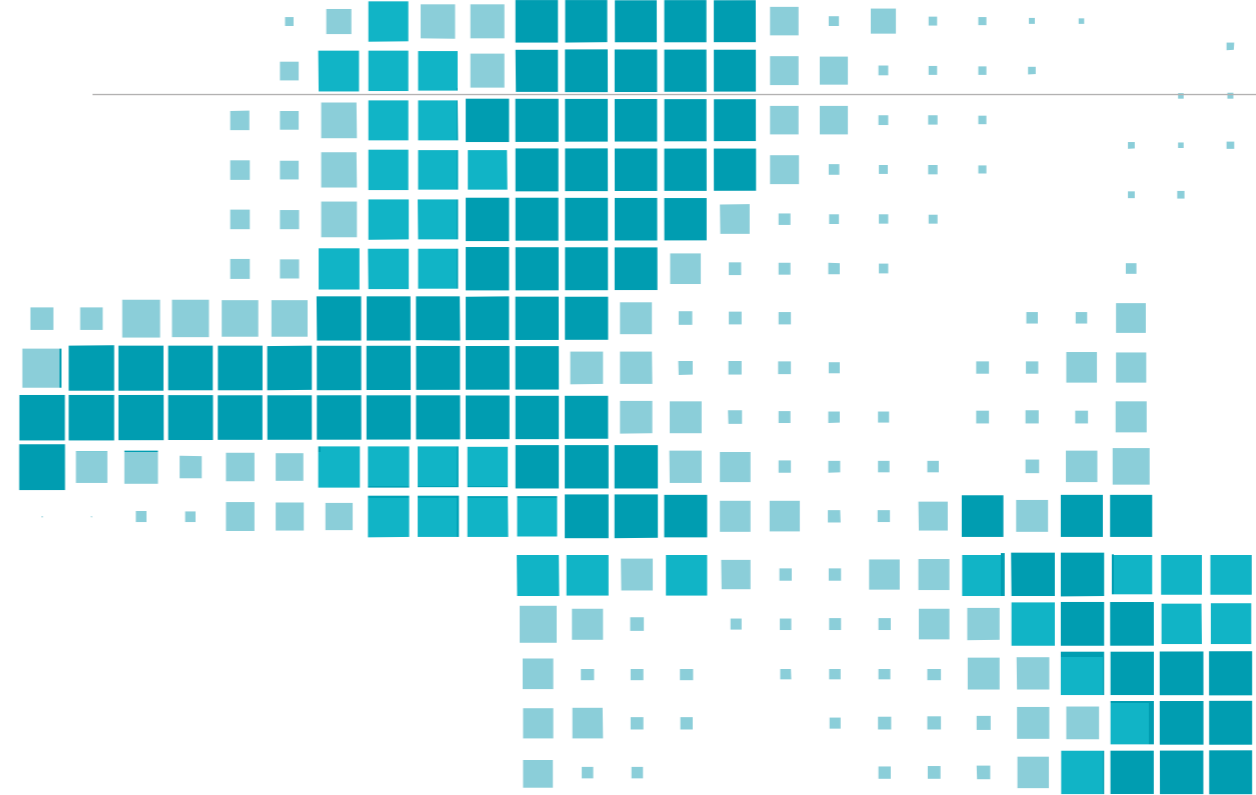


Output material

- Alternative fuel
- Particle size: 95 % < 30 mm
- Homogeneous output

The latest Vecoplan technology

The VEZ 2500 T/TT uses the best Vecoplan technologies. The machine is excellently equipped and benefits from many clever details for re shredding. The HiTorc-Drive and W-rotor are systems which you can only find at Vecoplan. We can therefore implement unique solutions for you in reprocessing alternative fuel, providing you with a clear competitive edge.



HiTorc-Drive

- Frequency-controlled, powerful high torque motor
- Drive output of 247 kW / 2 x 247 kW
- Optimised starting current, efficiency and torque
- Start-up with filled machine
- Considerably reduced peak current in the shredding process
- Energy saving of 20–30 % compared to conventional drives
- As gearless drive, virtually maintenance-free and noiseless



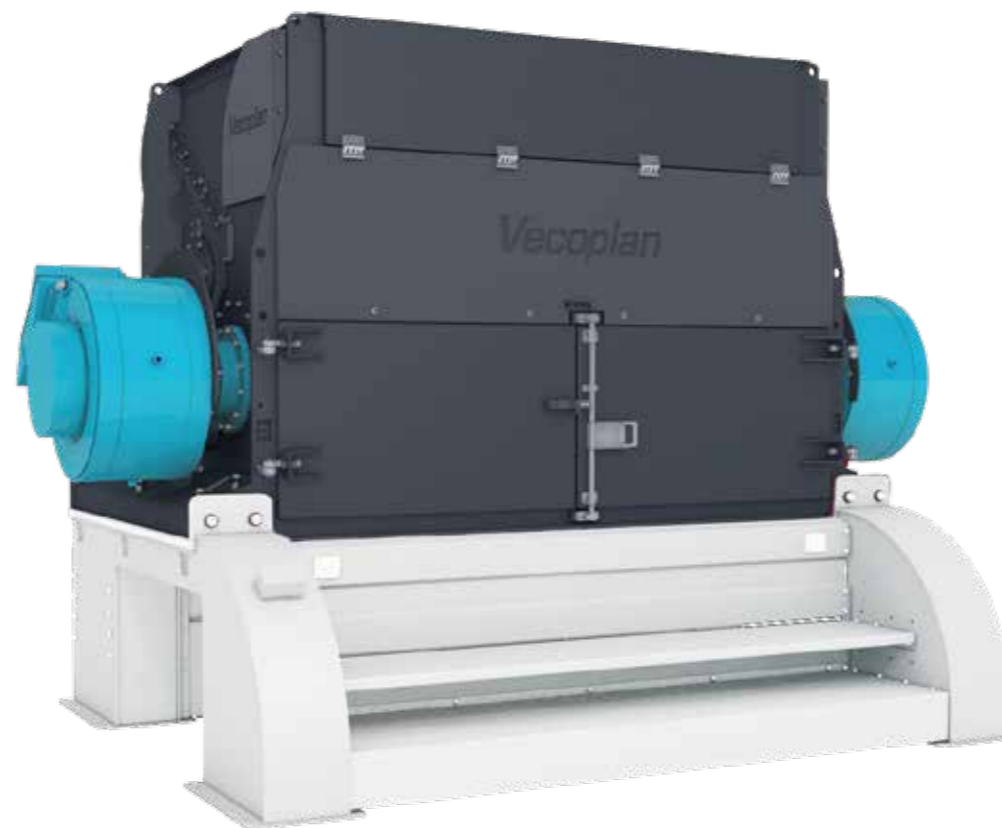
Patented W-rotor

- For maximum cutting performance and high throughput – up to 20 tonnes / hour
- With 6 or 8 rows of knives in a 'W' layout for optimal cutting with 216 or 288 knives in total (60 x 60 mm)
- Each knife can be used up to 4 times
- Rapid knife replacement/switchover
- High endurance, low costs
- Homogeneous output quality



2 x 6 part counter-knives

- Easily adjustable and exchangeable
- Optimised cutting performance thanks to small blade gap
- Consistent throughput and consistent material quality
- Two counter-knife bars with double the amount of cutting per rotation



Frequency-controlled 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



Large maintenance doors

- High accessibility
- All work on cutters, counter-knife and screen (replacing, repositioning or adjustment work) are time and cost-optimised
- Replacement and adjustment of cutters and counter-knife very rapidly
- Maintenance work in ergonomically optimised, upright position



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



Efficient alternative fuel reprocessing across the board

You can now utilise the advantages of a complete VEZ shredding system for alternative fuel reprocessing. The single-shaft pre shredder VEZ 2500 T V and the re shredder VEZ 2500 T/TT are based on one machine concept and are adapted to each other in terms of size, throughput and handling. This enables a continuously optimised, safe process with constantly high and more homogeneous alternative fuel re-processing output quality with consistent profitability.



You can integrate the re shredder VEZ 2500 T/TT into existing processes and shredding lines or create a completely new alternative fuel reprocessing system using both machines. We provide you with complete concepts including engineering, planning and all modules required for a profitable investment – controllers, conveyor belts, scraper conveyors, FE separators, air separators, disc screens, loading stations ...

Enjoy the benefits!

Count on Vecoplan and VEZ 2500 T/TT for re shredding your alternative fuel. Keep on reaping the benefits from robust construction, the latest, partly patented technology and interplay of VEZ pre and re shredding in one production line:

- Maximum reliability and uptime
- Cost reduction thanks to energy efficiency and maintenance and service optimisation
- Best value creation through consistently high, high-quality output
- Assistance from the Vecoplan Live Service

Details		VEZ 2500 T/TT	
Intake cross-section	mm	2510–1575	
Rotor dimension	mm	ø 640 x 2510	
Rotor weight	t	5	
Rotor speed	UpM	150–420	
Number of counter-knife bars	Units	2	
Counter-knife		2 x 6-parts	
Shape of knife		Serrated knife (single knife 60 x 60)	
Number of rows of knives		6	8
Number of knives	Units	216	288
Drive output	kW	247	2x247
Weight approx.	t	20 (T)	22 (TT)
Throughput	t/h	12–15	16–20

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