

# Vecoplan®



## THE POWER UNIT BEHIND THE SINGLE-SHAFT PRE-SHREDDERS

Completely robust, consistently powerful. The new single-shaft pre-shredder VEZ 2500 T V is equipped with the latest Vecoplan® technology, bringing maximum efficiency and profitability in alternative fuel processing. The HiTorc® drive saves energy, the extraneous material detection minimises downtimes, the W-rotor ensures consistently high throughput, and the optimised accessibility minimises maintenance and service costs.

You name it,  
we solve it!

# 26 TONNES OF PURE SHREDDING POWER

As a pre-shredder, the VEZ 2500 T V is tough. It weighs 8 tonnes more than the basic concept, the VEZ 2500 T. All areas exposed to particularly high forces and stresses in the shredding process have been specifically reinforced. The result is that the VEZ 2500 T V pulls robustly through.

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 single-shaft pre-shredder offers particularly profitable operation with constantly high throughput and homogeneous output quality.

## INPUT

- Household and garden waste
- Sometimes containing extraneous materials (stones, metal parts, etc.)
- Usually inhomogeneous in size and material



## OUTPUT

In pre-shredding:

- Alternative fuel
- Particle size < 250 mm
- Homogeneous output
- Optimal preparation for re-shredding

In single-stage shredding with the VEZ 2500 T V:

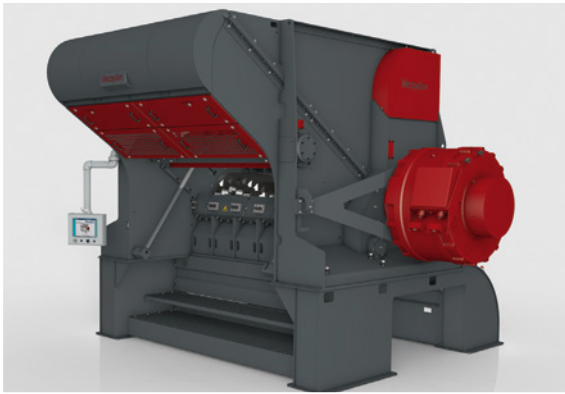
- Particle size up to < 80 mm
- Homogeneous output



# THE LATEST VECOPLAN® TECHNOLOGY

As the latest development, the VEZ 2500 V T uses the best Vecoplan® technologies. The machine is excellently equipped and benefits from many clever details for pre-shredding. The HiTorc® drive and W-rotor are patented

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.



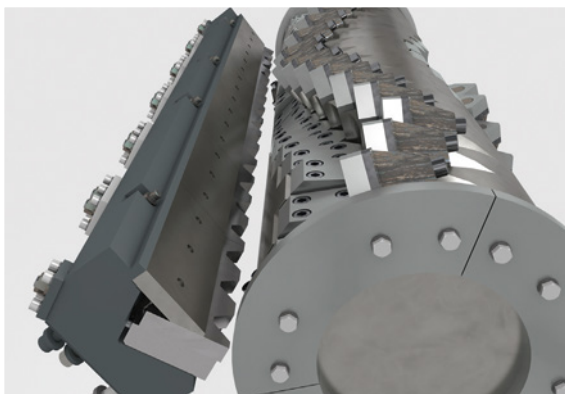
## PATENTED HiTorc® DRIVE

- Frequency-controlled, powerful high torque motor
- Drive output 155 kW
- 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



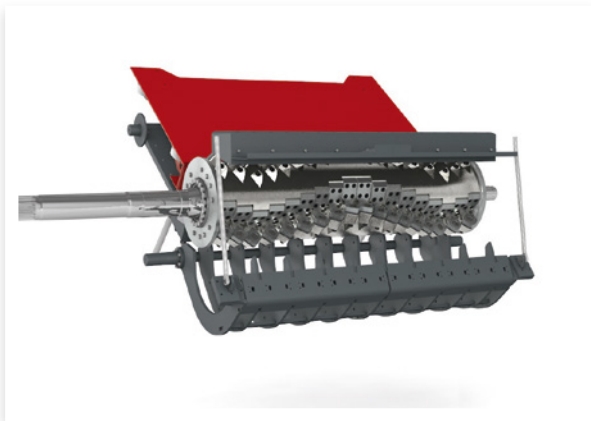
## PATENTED W-ROTOR

- For maximum cutting performance and high throughput - up to 25 tonnes/hour
- With 3 rows of knives in a 'W' layout for optimal cutting with 54 knives in total (110 x 110 mm)
- Each knife can be used up to 4 times
- Rapid knife replacement/switchover
- High endurance, low costs
- Homogeneous output quality
- Optional U-rotor 80 x 80 mm – with 90 knives (up to 20 tonnes/hour)



## 6-PART COUNTER-KNIFE

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



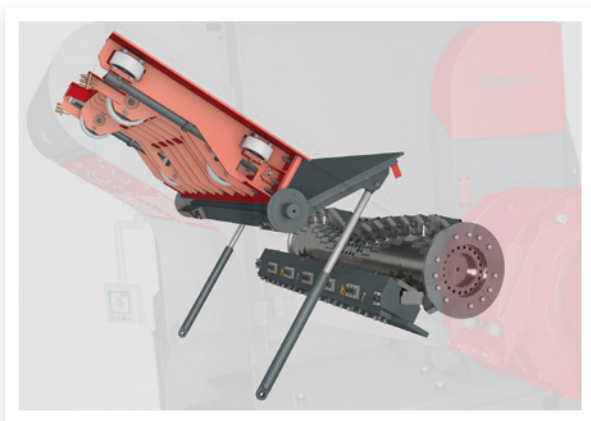
## FREQUENCY-CONTROLLED SLIDER

- With infinitely adjustable slider 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 knife, counter-knife and sieve screen (replacing, switching or adjustment work) are time and cost-optimised
- Changing and switching the knife and counter-knife in no time
- Maintenance work in ergonomically optimised, upright position



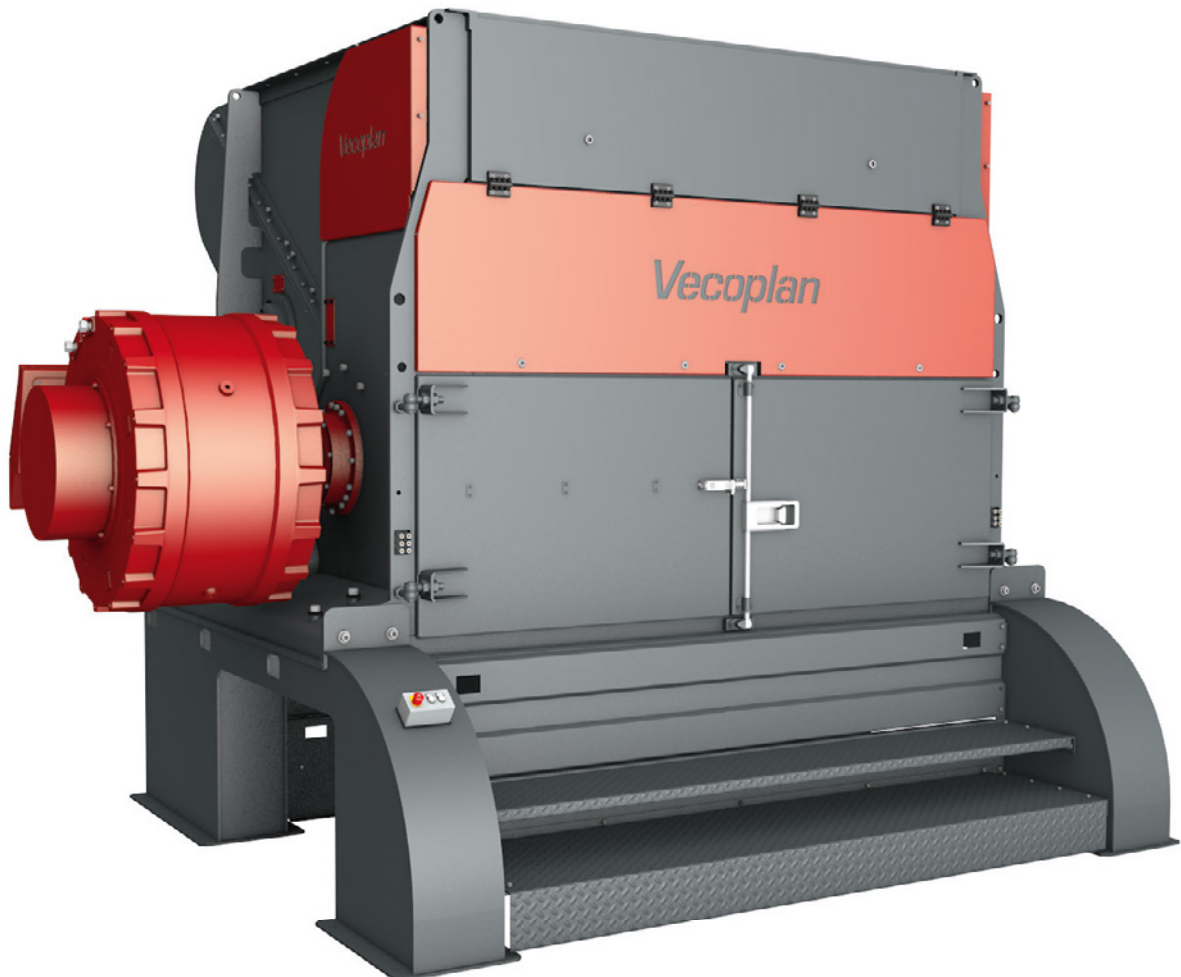
## OPTIMAL HANDLING OF EXTRANEOUS MATERIAL

- Automatic extraneous material detection
- Machine damage avoided as a result
- Practical, rapid removal of extraneous material via hydraulic base flap
- Extraneous material can be easily removed from the counter-knife bar when the base flap is opened
- Downtimes are therefore 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 VEZ 2500 T/TV 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!

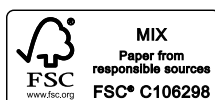
Count on Vecoplan® and VEZ 2500 T V for pre-shredding your alternative fuel. Keep on reaping the benefits from robust construction, the latest, partly patented technology and interplay of VEZ pre- and re-shredding in one production line:

- ✓ 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 V	
Intake cross-section	mm	2492 x 2000	
Rotor dimension	mm	ø 800 x 2492	
Rotor weight	tonnes	6,5	
Rotor speed	UpM	20-100	
Number of counter-knife bars	Units	1	
Counter-knife		6-part	
Weight approx.	tonnes	26	
Shape of knife		110 x 110	80 x 80
Rotor geometry		W-rotor	U-rotor
Number of rows of knives		3	3
Number of knives	Units	54	90
Drive output	kW	1 x 155	1 x 155
Throughput	tonnes/hour	15-25	10-20

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