

V-ECO

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Extremely powerful –
The high performer in biomass shredding





V for various materials



Wood



Staw



Biomass



Bark

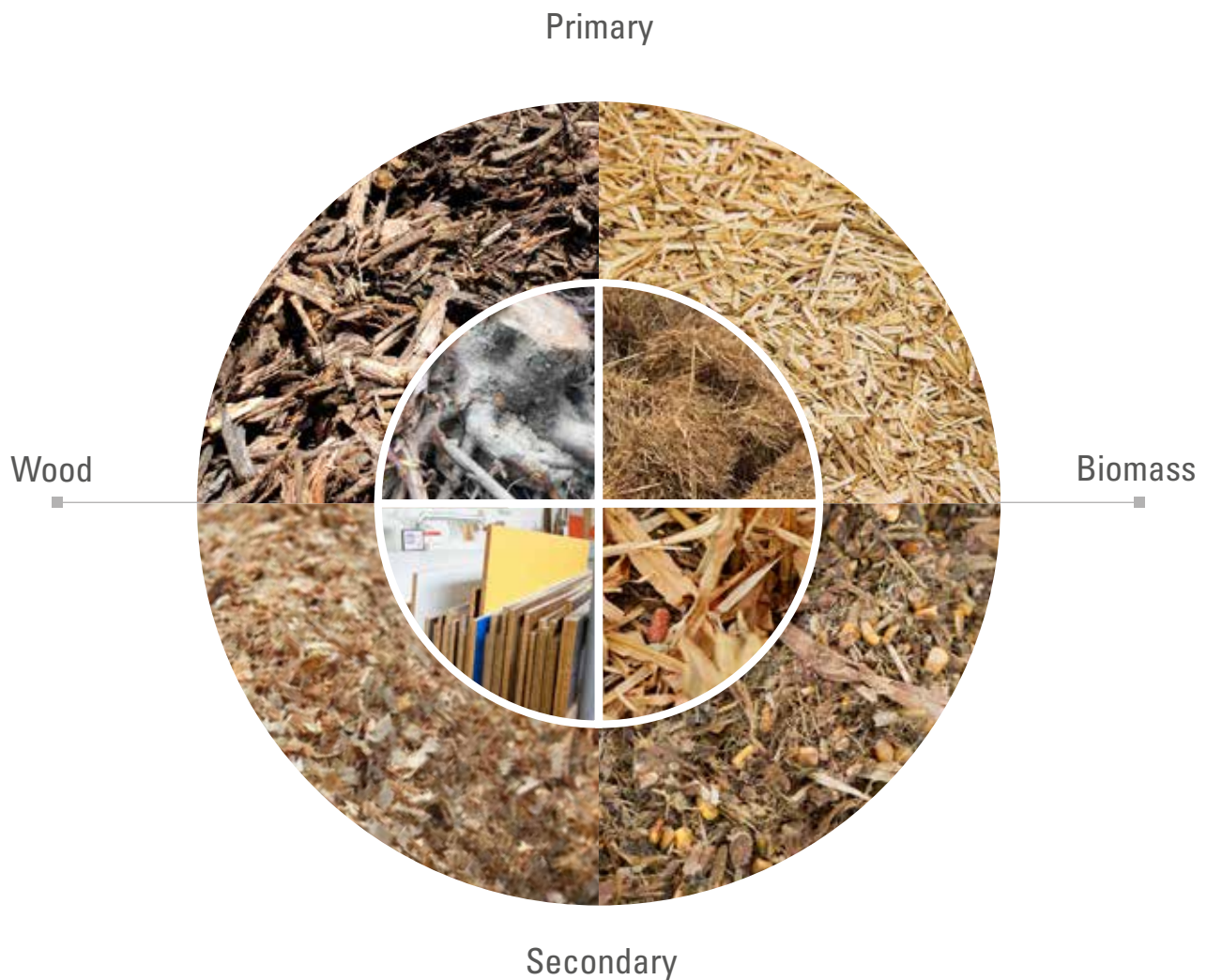
The V-ECO is the high-performance specialist for biomass shredding with maximum flexibility. Based on the latest, reliable technology, the V-ECO shreds a wide range of materials into appropriate homogeneous output.

Thanks to its variable usability you only need one shredder for all your applications, saving you space and investment costs. The V-ECO can be easily integrated into existing systems and adapts quickly and easily to changing fractions by changing the screens.

- The V-ECO product series is designed for universal use – also for biomass shredding.
- One shredder for a wide variety of input materials
- Shreds a wide range of biomass using a simple, quick screen change:
 - Wood
 - Straw
 - Biomass
 - Bark



V-ECO biomass shredding



Powerful wood, bark, straw and biomass shredding precisely customised to a wide range of input material from different sources.

Particularly in combination with the Vecoplan 5-row W rotor, the V-ECO gives you a perfectly-optimised throughput, even for low-density materials at high speeds. The system runs extremely quietly, continuously and reliably, delivering homogeneous output in the required sizes.

E for efficient process

The V-ECO series is a robust and powerful Vecoplan solution that can be used for a wide range of applications. Our development engineers focused on maximum customer benefit. Each detail has been designed to make the system consistently high efficient in terms of performance and profitability.

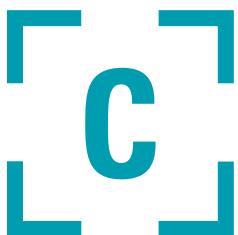


- Continuously developed for efficiency in all details
- Particularly low energy consumption due to input speed adjustment and economical, frequency-controlled, direct belt drive (ESC)
- High process efficiency thanks to modern cutting and rotor technology



C for compact design

The entire V-ECO machine design is adapted to use in practice. Particular importance was laid on the compact machine design. Reducing its design to only the essential parts minimises component failure, optimises material flow and facilitates the servicing and maintenance work for users thanks to its highly accessible design.



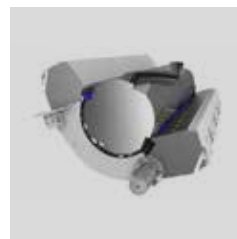
- Compact machine design
- Low space requirement
- Quiet running
- Low noise emissions
- Large maintenance doors
- Optimal accessibility
- Easy to clean





0 for outstanding performance

Completely trimmed to maximum performance. All V-ECO components are extensively designed and developed to combine high throughput with maximum output quality, regardless of the input material. The control system, drive, rotor, knives, floor and ram are consistently adapted to each other in the shredding process. You will benefit from maximum value creation.



- Intelligent technology down to the last detail
- Designed for high throughput
- Maximum output quality

The sum of all V-ECO benefits!

The extensive work carried out developing the V-ECO will pay off in all aspects of your business – performance, quality, reliability and profitability. The Vecoplan shredder offers you outstanding advantages, from which you will benefit in the short, medium and long term.

We will be happy to give you individual advice and show you in detail how you can enjoy the V-ECO benefits and how to integrate these benefits in your system for the optimal result.



Technical data



Details		V-ECO 900	V-ECO 1300	V-ECO 1700	V-ECO 2100	
Infeed opening	mm	840 x 1300	1255 x 1535	1670 x 2030	2085 x 2030	
Rotor dimensions	mm	Ø 495 x 830	Ø 495 x 1245	Ø 495 x 1660	Ø 495 x 2075	
Rotor weight	t	1	1.5	2	2.5	
Rotor speed	rpm	105–265	105–265	110–280	110–280	
Number of counter knife cross-bars		Standard cross-bar	Standard cross-bar	first cross-bar standard, second cross-bar optional	first cross-bar standard, second cross-bar optional	
Number of counter knife parts		2 standard	3 standard	4 standard, 8 optional	5 standard, 10 optional	
Number of cutters 40 x 40	W-rotor (triple no. of cutters)	54	81	108	135	
	W-rotor (5-fold of cutters)	90	135	180	225	
	U-rotor (single no. of cutters)	20	30	40	50	
	U-rotor (double no. of cutters)	40	60	80	100	
	U-rotor (triple no. of cutters)	60	90	120	150	
Number of cutters 60 x 60	W-rotor (triple no. of cutters)	–	54	72	90	
	U-rotor (single no. of cutters)	12	21	28	35	
	U-rotor (double no. of cutters)	24	42	56	70	
Motor power	kW	30, 37, 55, 75	55, 75, 90	132, 160	132, 160	
Weight (without hopper, without steel framework)	t	5.4	7.2	13.5	14.5	
Overall dimensions (W x H x L)	with rotor cooling	mm	2010 x 1400 x 2840	2410 x 1500 x 3310	2915 x 1900 x 4080	3330 x 1900 x 4080
	without rotor cooling	mm	1875 x 1400 x 2840	2280 x 1500 x 3310	2795 x 1900 x 4080	3210 x 1900 x 4080
Ejection dimensions	mm	840 x 640	1255 x 670	1910 x 825	2325 x 825	

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