



## VHZ 1300 - 1600

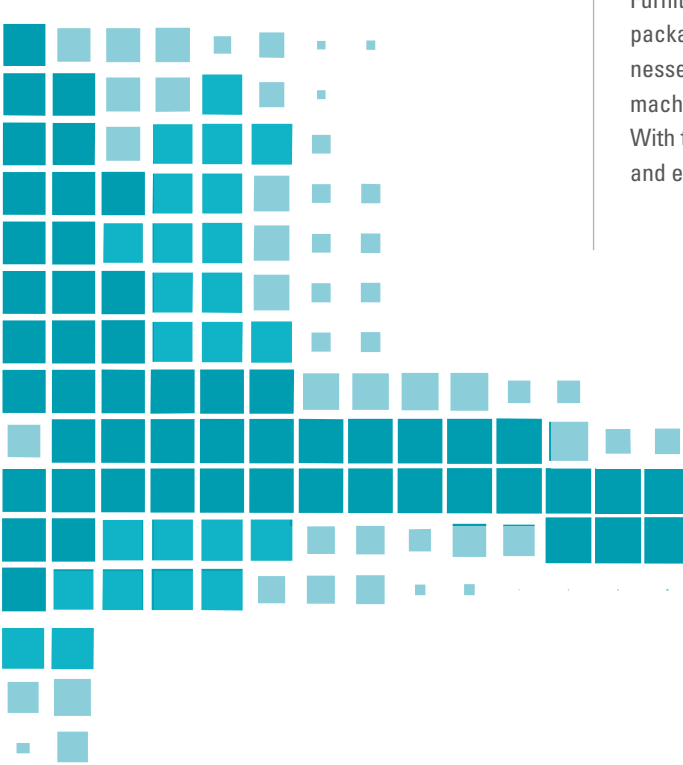
Wood shredders with condition

Maximal efficiency through high throughput capacity. The compact single-shaft shredder series VHZ 1300-1600 convinces industrial users through reliable processing of waste wood in continuous operation.



# Flexible wood-allrounder: VHZ - strong in use

The Vecoplan single-shaft shredder VHZ is compact, strong and universal and therefore suitable for a wide range of waste wood shredding applications. For wood processors in the primary and secondary industries the VHZ is the economical option for the feeding of different input materials and quantities directly and undosed into the shredding process.



Furniture manufacturers, carpenters, pallet producers, crate and packaging material manufacturers and larger mid-sized businesses benefit from the heavy duty VHZ series (1300-1600). The machines are made for permanent operation and bigger quantities. With the patented ESC-Drive the machine impresses with energy and economic efficiency and high operational reliability.

# Fit for many different processes



## Input material

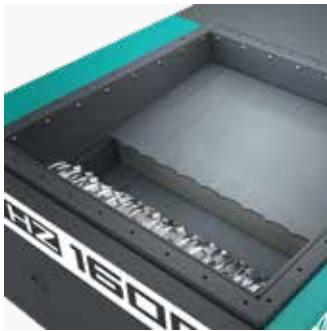
- Chipboard
- MDF
- OSB
- Hardwood waste
- Softwood
- Bark
- Pallets

## Output material

- Chips for energetic processing
- Material suitable for briquette production

# Enduring – Exact – Solid

Shredding technology by Vecoplan



## Ram

- Optimum ram geometry
- Hydraulic load-dependent material supply
- Spring pre-loaded ram sealing



## Control cabinet

- Efficient and innovative control with automatic performance adjustment (material detection)
- No grid load due to peak currents
- Intuitive operation
- Integrated live service



## ESC®-Drive

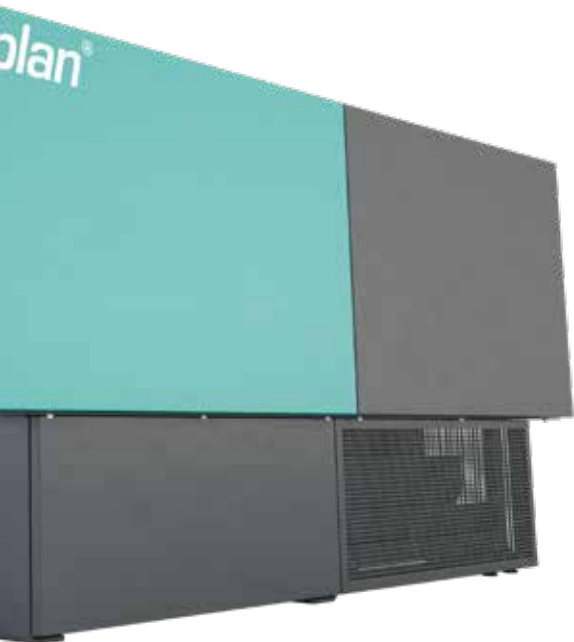
- Main drive with frequency converter, therefore adjustable rotor speed
- Low energy consumption, cost-effective operation
- High drive dynamics by fast reversing and re-start
- Drive belt slip control
- Tramp material protection with display
- Variably adjustable rotational speed range for power adjustment



## Material discharge

- Equipped for mechanical and pneumatic discharge
- Mechanical discharge with metal separator (belt conveyor with magnet), drag chain conveyor, screw conveyor or suction socket possible





### Drive components

- Powerful hydraulic unit
- Good accessibility via central location
- Optimized force flow between rotor and ram
- External cylinders are protected against dirt



### High-performance cutting unit

- Patented, profiled rotor for efficient shredding
- Easy-to-change profiled counter knife, which can be used on both sides



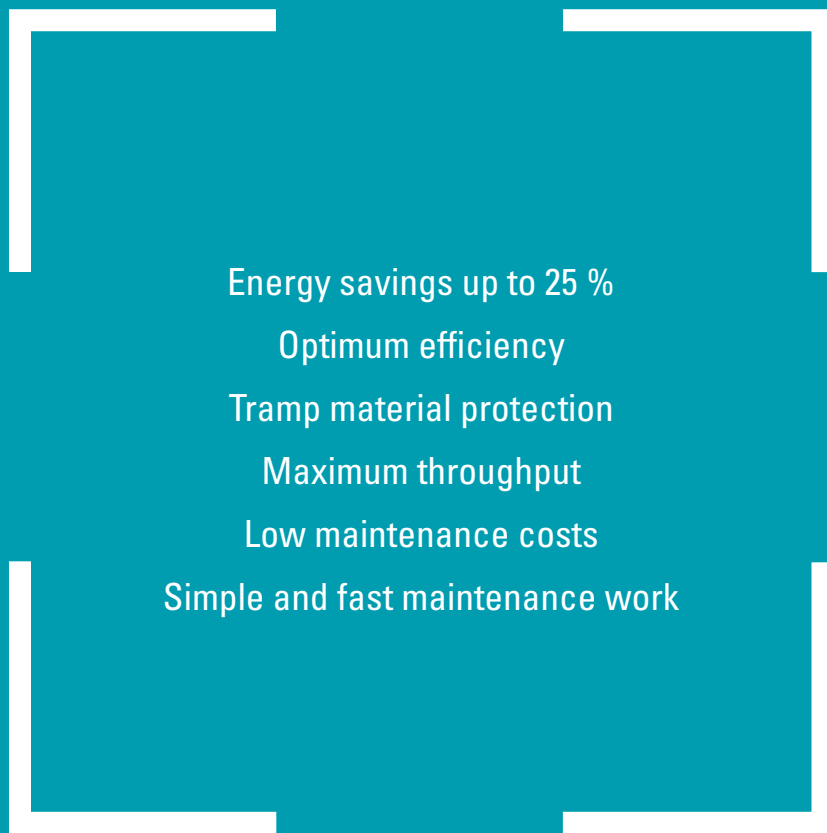
### Bearing

- Heavy-duty steel rotor housing with labyrinth to protect the bearings
- Bearing designed as spherical roller bearing



# ESC<sup>®</sup>-Drive – an investment, that pays off

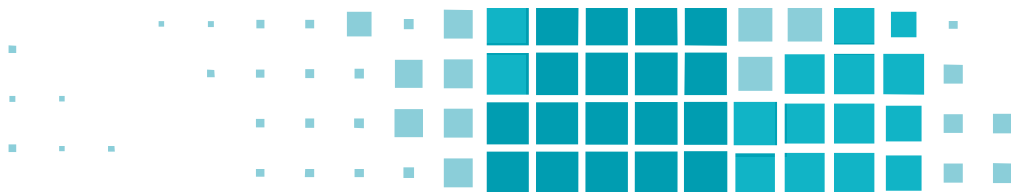
With the ESC-Drive, Vecoplan has been able to develop machines with an energy-efficient, cost-effective and economical drive of 55 to 90 kW motor power. The asynchronous drive motor with a powerful frequency converter works together with a high-performance belt drive featuring sophisticated slip control and tramp material protection.



# Features and performance



Details		VHZ 1300	VHZ 1600	
Infeed opening (W×L)	mm	1310x1605	1605x1605	
Rotor dimensions	mm	d=430; L=1300	d=430; L=1595	
Rotor speed	rpm	90–265	90–265	
Number of counter knives	pcs.	4	4	
Number of cutters	simple	pcs.	28	37
	double		56	74
	triple		84	111
Motor power (frequency converter)	kW	55, 75, 90 kW (75, 90, 160 kW)	55, 75, 90 kW (75, 90, 160 kW)	
Total weight (without feed hopper)	t	5,1	6,3	
Screen hole size	mm	customer-specific	customer-specific	
Dimensions (W×H×L)	mm	1955x1580x3360	2250x1580x3360	



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