



VVB

Mercilessly resilient – The primary wood crusher that really goes to town!

A merciless power machine

The new Vecoplan primary wood crusher is THE efficient and economical solution for producing crushed and shredded material for energy recovery. The enormous flywheel mass of the rotor crushes all wood fed into its hungry maw.

With our VVB power pack, you can achieve large material throughput volumes tailored to your application.

Even an impurity content of less than 2% is no problem for this machine – with its swivelling counter-knife unit and screen basket, it has been specifically designed to tackle such tasks.

The result? DIN EN ISO 17225-compliant fuel in sizes from P45 to P100.



Enormous flywheel mass delivers irresistible crushing power

Perfect wood chipping

Input material

- Fresh bark with up to 60% water content
- Logs < \varnothing 400
- Cross-cut discs < \varnothing 1000 mm and L < 400 mm
- Balled material
- Residues from the log yard incl. sawdust and short-cut wood waste
- Pre-crushed pallets and demolition wood



Output material

Fuel from
P45 to P100,
DIN EN ISO 17225-compliant

Wide range of applications

- Sawmill industry
- Energy and pellet industry
- Biomass heat & power plants





Focus on ergonomics and throughput

The VVB knows no bounds when the rollers grab conveyor belt-fed material and feed it to its rotor – the machine is simply bursting with raw power.

The VVB also has no limits as far as ergonomics and maintenance are concerned: The cladding can be removed in just a few steps, ensuring safe & easy maintenance and dust reduction. Fast access to the entire machine area is ensured, facilitated by the downward opening hood. A maintenance platform has also been integrated into the rotor hood, avoiding tight squeezes in the machine room.

Comfort is standard with the VVB. The machine assists with maintenance tasks wherever possible:

- Hydraulic extension of the counter knife
- Electric start-up in the knife change position
- Automatic swivelling away of the counter knife and the screen basket if extraneous material is detected

This task is carried out intuitively via the VSC control panel.





Rotor hood

- With an integrated maintenance platform
- Best possible accessibility and ergonomic maintenance position
- Reduced risk of injury
- Automatic hood closures



Oscillating/feed rollers

- Extremely aggressive feed rollers
- Frequency-controlled infeed of the oscillating and machine stand roller
- Internal drive of the oscillating roller
- Automatic lubrication and temperature monitoring of the internal bearings
- Angle measurement sensor for optimum raising, lowering and damping of the oscillations



Rotor

- Enormous flywheel mass thanks to the solid steel rotor
- Flanged rotor shafts
- Smoother running behaviour thanks to the M-shaped arrangement of the shredding tools
- Different crushing and shredding tools possible
- Reduced costs of the crushing tool thanks to partial tool change as well as double-sided usability
- Optional: Automatic positioning in knife change position



Safety feature if extraneous materials are detected

- Breakaway bolts on both sides with sensor monitoring
- Counter knife and sieve basket unit swivels freely away
- When the extraneous materials have been removed, the units can be hydraulically moved back into their operating positions



VSC.Control – Vecoplan Smart Center

- Modern machine control thanks to the intuitive adjustment of the machine parameters and the storage of settings
- Overview of individual actual values and current messages, incl. message history
- Recording of the data values
- Online access to additional services
- Increased productivity and energy efficiency
- Can be used on all standard mobile devices

Profit from the VVB!

Your advantages

A robust design combined
with enormous flywheel mass

Very high throughput rates

No metal detector required for extraneous
content below 2%

Maximum reliability and
availability

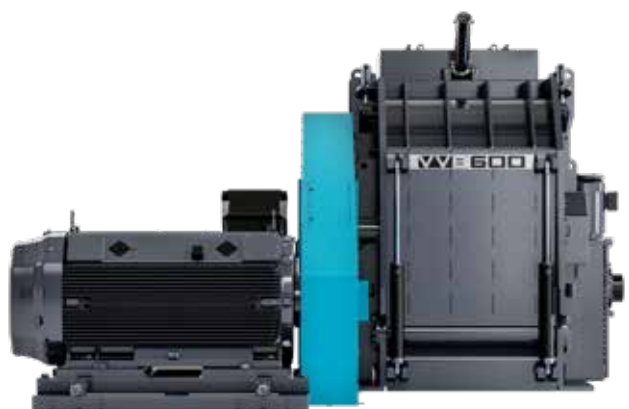
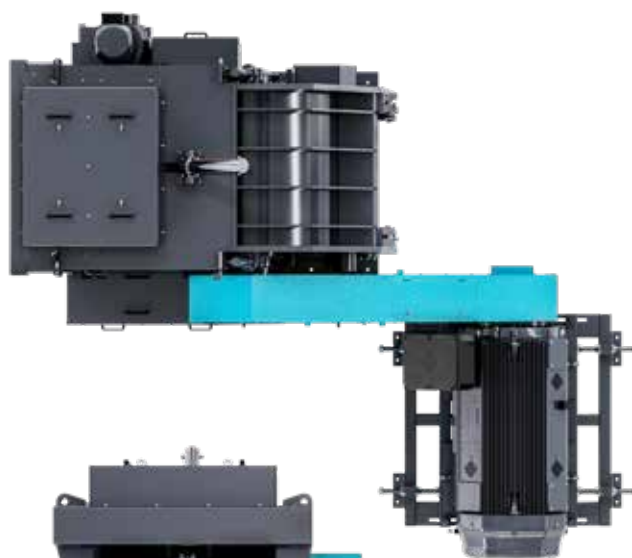
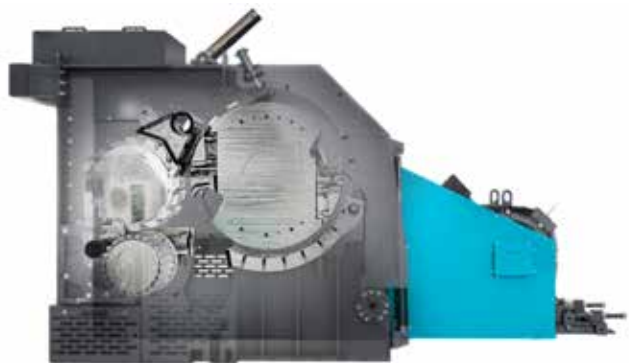
Optimised for ergonomic
maintenance and service

Overview of technical details

Details		VVB 600-1200	VVB 600-1600
Infeed (W x H)	mm	1,200 x 600	1,600 x 600
Rotor diameter	mm	Ø 1,300	
Rotor weight	t	12.5	15
Rotor speed	rpm	500	
Number of tools	Qty.	18	24
Drive capacity	kW	400-800	630-1,000
Max. throughput capacity	t/h	70	120
Overall dimensions (W x L x H)*	mm	4,700 x 5,300 x 3,000	5,100 x 5,300 x 3,000

Subject to technical changes without notice. Detailed dimension drawings and load data are available on request. As of: 04/2023

*(Example with 630 kW drive system)



Vecoplan®

Vecoplan AG
Vor der Bitz 10
56470 Bad Marienberg | Germany
phone +49 2661 62 67-0
fax +49 2661 62 67-70
welcome@vecoplan.com
www.vecoplan.com