Vecoplan

ENERGY-EFFICIENT WOOD SHREDDING

The small series VAZ is a durable and robust shredding solution specially developed for the needs of the wood-processing industry. Joiners, carpenters and wood-workers benefit from the reliable shredding components, which, thanks to our patented drive technology, set new standards for energy efficiency, designed to ensure minimal operating costs.

You name it, we solve it!

SMALL, BUT MIGHTY – VAZ SERIES 60/80/110
THE SOLUTION FOR WOOD-PROCESSING PLANTS

The single-shaft shredder VAZ is compact and universally designed for a wide range of waste-wood applications. For five decades, Vecoplan® has a been a reliable global partner for efficient and cost-effective shredding solutions. Thanks to decades of hands-on experience Vecoplan® has developed this robust machine in a compact design which is easy to use and has an energy-efficient profile. The machine is appreciated by joiners and carpenters in particular.

With the patented ESC Drive®, the machine features a gearless drive, which is energy efficient, cost effective and very reliable.

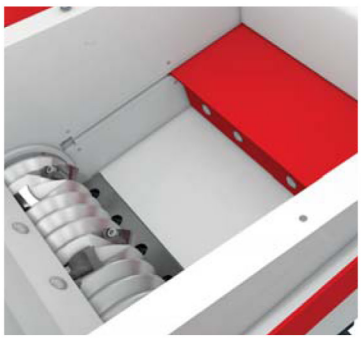
INPUT

- Chipboard
- MDF board
- Hardwood waste
- Solid wood waste
- Bark
- Cardboard boxes
- Softwood / OSB board

OUTPUT

- Wood chips
- Material for briquette production

TIRELESS, PRECISE, ROBUST – SHREDDING COMPONENTS FROM VECOPLAN

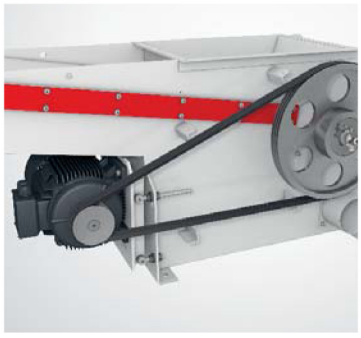


RAM

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

CONTROL CABINET

- Efficient and innovative control with
- automatic performance adjustment (material detection)
- No peak currents



ESC-DRIVE®

- Main drive with frequency converter, for adjustable rotor speed
- Low energy consumption
- High drive dynamics thanks to very fast reversing and re-start
- Drive belt slip control
- Foreign material detection

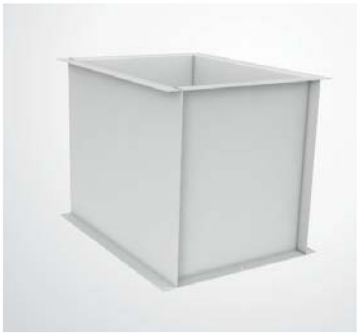
HYDRAULICS

- Compact hydraulic unit integrated in the machine support frame for shock-resistance

MADE IN GERMANY

HOPPER

- Various hopper designs
- Expandable, customer-specific hopper variants

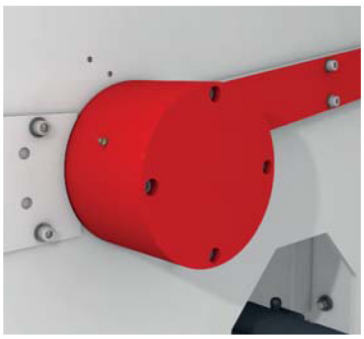


ROTOR / CUTTING UNIT

- Patented, profiled rotor for efficient shredding
- Easy-to-change profiled counter knife
- Integrated log spacer

BEARINGS

- Large stainless steel rotor housing with protective cover



PLUG AND PLAY

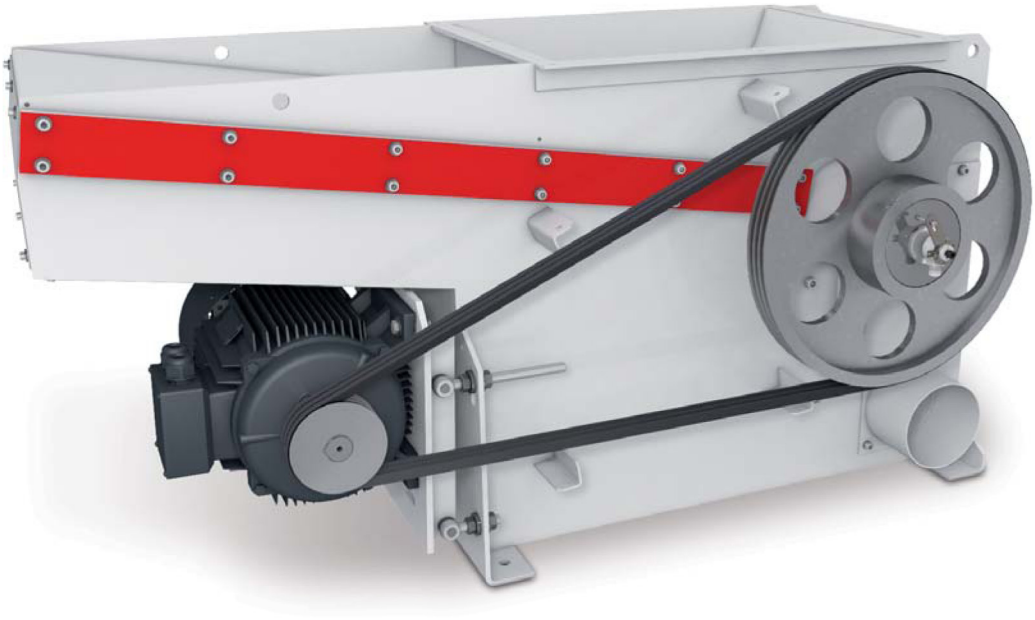
- Control panel secured to the shredder for easy transport
- Factory pre-wired and supplied with brackets for wall mounting

ESC-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 11 to 37 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 foreign material detection. The patented belt technology ensures productive and durable operation of the shredder with a convincing economic energy profile.

THE BENEFITS

- Energy savings up to 25 %
- Improved efficiency
- Foreign material detection
- High throughput rate
- Low maintenance costs



"With the ESC® concept, we have developed THE economical solution for shredders in the wood-processing industry", explains Dirk Müller, Head of the Business Division Wood, "the series has also been optimised with an emphasis on energy savings and high throughput. At a time of increasing energy and wage costs, this is exactly what our customers want."

FEATURES-
AND PERFORMANCE

DETAILS			VAZ 60	VAZ 80	VAZ 110	VAZ 110 XL
In-feed opening (W× L)		mm	620 × 800	800 × 950	1.075 × 950	1.075 × 1.200
Rotor dimensions		mm	ø 250 × 614	ø 250 × 794	ø 250 × 1.069	ø 370 × 1.069
Rotor speed		rpm	90 – 250	90 – 250	90 – 250	90 – 265
Number of counter knives		pcs.	1	2	2	2
Number of cutting crowns	single	pcs.	14	20	27	27
	double		28	40	54	54
Motor output (frequency converter)		kW	11 (15); 15 (22)	15 (22); 18,5 (22)	18,5 (22); 22 (30)	30 (37); 37 (55)
Total weight (incl. feed hopper)		t	1.3	1.6	1.85	3
Screen hole size		mm	10-40	10-40	10-50	10-50
Dimensions (W × H × L)		mm	1,170 × 980 × 1,970	1,348 × 980 × 2,340	1,623 × 980 × 2,340	1,693 × 1,150 × 2,715
Dust Extraction Connection Ø		mm	200	200	200	250

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