



# Industrial Solutions for Wood Waste Handling

Shredders, chippers, conveyors, storage, screening.



*Vecoplan*<sup>®</sup>





# Vecoplan - A Legacy of Innovation

Dynamic markets demand innovative thinking. Vecoplan stands at the forefront of innovation, offering cutting-edge technologies that revolutionize the wood industry. From grinders and granulators to conveying and sortation, Vecoplan's tailored equipment and systems redefine industry standards, meeting the needs of even the most demanding applications.

## Global Presence

Vecoplan, a world leader in size reduction and material handling systems, is the industry's first choice for solutions that address wood scrap needs. For over 50 years, Vecoplan has served the primary and secondary wood markets with installations in over 120 countries, leading the way in innovation, quality, and experience.

Vecoplan offers a comprehensive range of cutting-edge shredders, systems, and services designed to optimize wood processing operations, increase efficiency, and enhance sustainability.



## Trusted Partner in Success

Vecoplan isn't just an equipment vendor; we're a solutions provider and dedicated partner. Our team works closely with customers, not only to identify the right solutions but also to implement them through system integration, space planning, centralized controls, and other strategic measures. With Vecoplan, you gain more than equipment; you gain a strategic partner committed to your success.



# VAZ Series

## Robust. Powerful. Efficient.

Recognized for its unmatched quality and durability, the VAZ series offers a high-torque solution for the most challenging vertical feed shredding applications. The VAZ line tackles primary wood waste, trim blocks, panel scraps, furniture parts, dunnage, and more.

### Standard Features

- Low-speed / high-torque design reduces noise and minimizes failure risk compared to high-speed systems
- Easy access to wear parts for quick, easy, and safe maintenance
- "Process Ram" with multiple speeds via VFD real-time load sensing
- Indexable 4 sided cutters - multiple designs available
- High output "torsion point" rotor geometry
- Robotically welded, stress-free machine frame
- Oversized drivetrain
- Outboard spherical roller bearings with machined steel housing
- Fluid coupling/clutch
- Allen Bradley control panel
- Fail-safe hardware, software initiated tramp metal detection shut-off

# VAZ 800 - 1100 XL

The VAZ series of single-shaft shredders is a powerful all-rounder designed for a wide range of applications. Available features including the low speed/high torque motor that provides maximum cutting performance, high throughput, and consistent output.

### Available Options

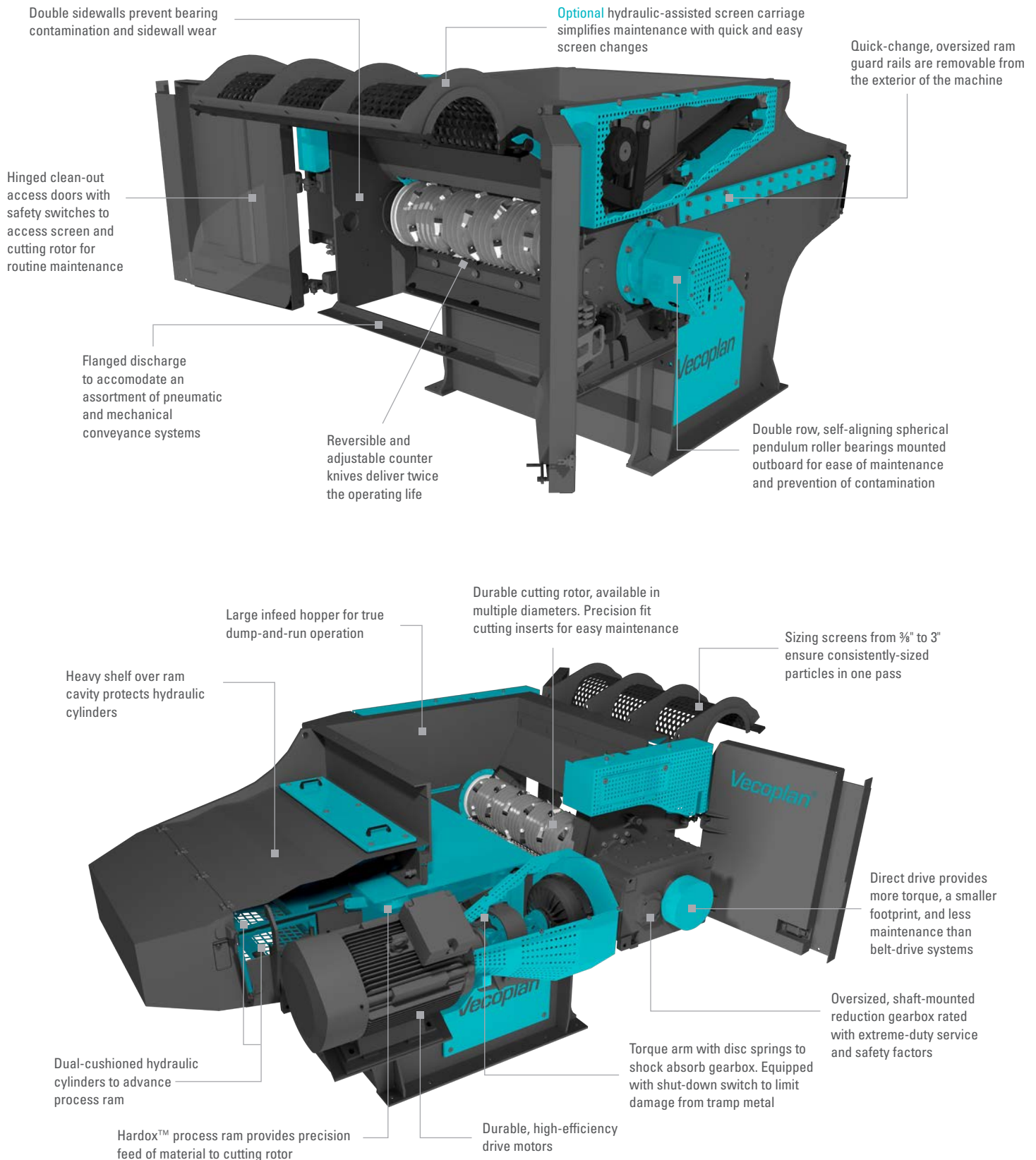
- Multiple rotor sizes and cutter configurations
- Gravity, mechanical, or pneumatic discharge
- Customized infeed hopper
- Sizing screens from 3/8" to 3" diameter



Specifications		VAZ 800	VAZ 1100	VAZ 1100 XL XR
Cutting Chamber (W x L)	in	32 x 38	42 x 48	42 x 52
Rotor Size - Diameter	in	10		15
Rotor Speed (Fixed)	rpm	95	110	115
Number of Cutters	pcs	20	27	48
Motor Size	hp	20	30	50, 60
Dimensions (W x H x L)*	in	59 x 52 x 84	78 x 51 x 101	86 x 43 x 104

\*Height shown does not include standard 40 in. infeed hopper. Other hopper sizes available. Contact Vecoplan for details.  
Detailed dimension sheets and load information on request. Subject to technical changes without notice.

# VAZ – Vertical Feed Model





# VAZ 1300 - 1600

The VAZ line can be customized with various rotor configurations and motor systems to provide maximum cutting performance, high throughput, and a consistent output with minimal fine dust particle content.

## Available Options

- Variable speed drives
- Heavy-duty packages for excessive wear, high impact applications
- Multiple rotor sizes and cutter configurations
- Gravity, mechanical, or pneumatic discharge
- Customized infeed hopper
- Sizing screens from 3/8" to 3" diameter



Specifications		VAZ 1300 S	VAZ 1300 M	VAZ 1300 M XL	VAZ 1300 L	VAZ 1600 M	VAZ 1600 S XL	VAZ1600 M XL
Cutting Chamber (W x L)	in	52 x 50	61 x 58		52 x 67	62 x 80	62 x 58	62 x 80
Rotor Size - Diameter	in	15		20	15		20	
Rotor Speed (Fixed)	rpm	145						
Number of Cutters	pcs	35 / 60		35 / 60 / 90	35 / 60	72	72 / 108	
Motor Size	hp	60 , 75, 100		100, 125		100, 125, 150	150	
Dimensions (W×H×L)*	in	93 x 59 x 111	93 x 59 x 125		93 x 59 x 144	103 x 59 x 169	103 x 59 x 125	103 x 59 x 169

\*Height shown does not include standard 40 in. infeed hopper. Other hopper sizes available. Contact Vecoplan for details. Detailed dimension sheets and load information on request. Subject to technical changes without notice.



# VHZ Series

## Universal wood shredding

Vecoplan's single-shaft VHZ series is the ideal solution for a wide range of wood scrap shredding applications, especially when space is limited. It offers an economical option for various input materials, making it perfect for panel processing and lumber applications.

### Standard Features

- Low energy consumption
- ESC-Drive: Quick reversing and restarting, belt slip control, and variable speed range
- Belt drive with VFD powertrain eliminates need for gearbox
- Easy access to wear parts for quick, easy, and safe maintenance
- "Process Ram" with multiple speeds via VFD real-time load sensing
- Robotically welded, stress-free machine frame
- High output "torsion point" rotor geometry
- Outboard spherical roller bearings with machined steel housing
- Efficient and innovative controls with automatic material load detection
- External guiderails
- Failsafe hardware, software initiated tramp metal detection shut-off



# Energy Efficient – ESC-Drive

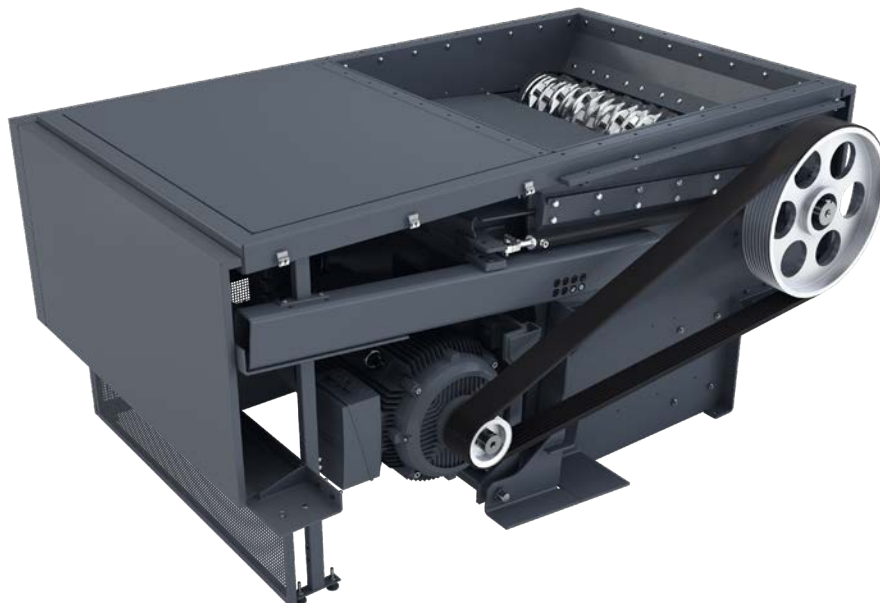
Wood processors can rely on the VHZ series for dependable shredding in a compact design. Ranging from 30 to 150 HP and featuring the ESC-Drive, these machines offer exceptional energy efficiency, cost-effectiveness, and operational reliability.

The ESC-Drive is an intelligent, self-regulating system that combines an asynchronous drive motor with a powerful frequency converter. This setup allows for adjustable rotor speed and advanced features like slip control, fast reversing and restarting, and tramp metal detection. The result is a high-performance system that ensures long-lasting operations while maintaining an economical energy profile.



## Key Features

- Drive belt slip control via ESC
- Powertain incorporates VFD
- Variable speed range allows adjustment of throughput capacity
- Low energy consumption
- High drive dynamics by fast reversing and restarting
- Tramp metal protection



# VHZ 800 - 1600

The compact and efficient VHZ line is ideal for facilities both small and large in the furniture, cabinet, and lumber industries. Designed for continuous operation, these machines handle large volumes with ease, maximizing throughput.

## Available Options

- Multiple rotor sizes and cutter configurations
- Gravity, mechanical, or pneumatic discharge
- Customized infeed hopper
- Sizing screens from 3/8" to 3" diameter



Specifications		VHZ 800	VHZ 1100	VHZ 1100 XL	VHZ 1300 S	VHZ 1300	VHZ 1600
Cutting Chamber (W x L)	in	32 x 37	42 x 37	42 x 47	50 x 47	50 x 63	63 x 63
Rotor Size - Diameter	in	10		15		17	
Rotor Speed (Variable)	rpm	60 - 250					
Number of Cutters	pcs	40	54	54	64	87	111
Max Cuts per Minute	ea.	10,000	13,500	13,500	16,000	21,750	27,750
Motor Size	hp	30	40	60	75	125	150
Dimensions (W×H×L)*	in	55 x 39 x 93	66 x 39 x 93	69 x 45 x 105	76 x 45 x 105	76 x 63 x 132	89 x 63 x132

\*Height shown does not include standard 40 in. infeed hopper. Other hopper sizes available. Contact Vecoplan for details. Detailed dimension sheets and load information on request. Subject to technical changes without notice.



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**VHZ 1600**







# VPC – Vecoplan Pallet Crusher

Two stages. One system. Maximum throughgput.

Vecoplan's VPC/VHZ system offers a powerful solution for bulky wood components by combining the VPC 1600 pallet crusher with the VHZ 1600 single-shaft shredder into one compact, powerful unit. The VPC's robust rotors break down bulky materials like pallets and crates, which the VHZ shredder further processes. This two-stage system boosts throughput by up to 50%, handling up to 5 tons of pallets per hour.

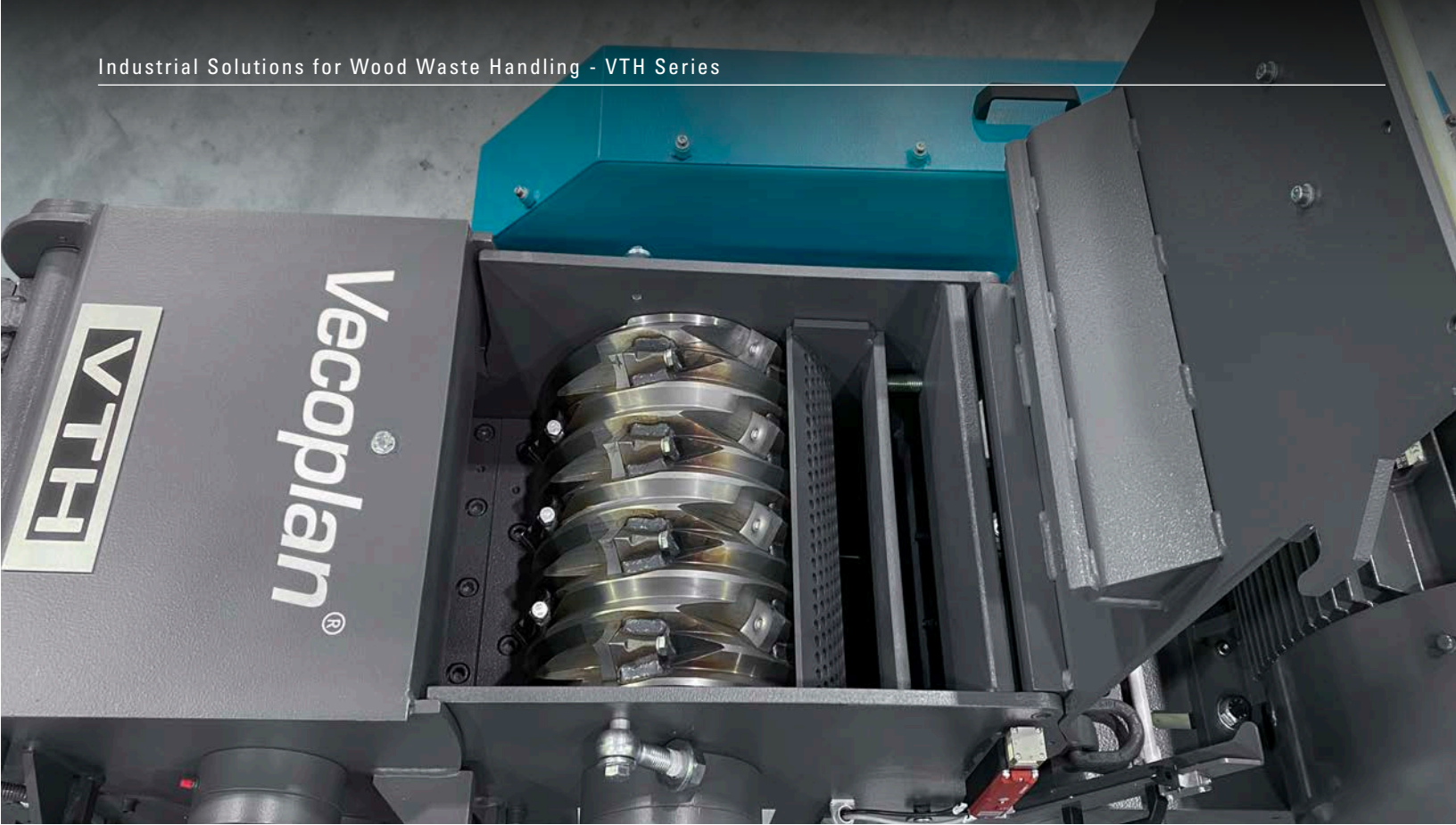
Specifications		VPC - VHZ 1600	
Infeed opening (W×L)	in	63 x 63	
Rotor Size - Diameter	in	30	17
Rotor speed	rpm	Variable	
Number of cutters	pcs	32	111
Max Cuts per Minute	ea.	27, 750	
Motor Size	hp	2 x 15	1 x 150
Dimensions (W×H×L)*	in	123 x 32 x 75	89 x 63 x 133

Detailed dimension sheets and load information on request. Subject to technical changes without notice.









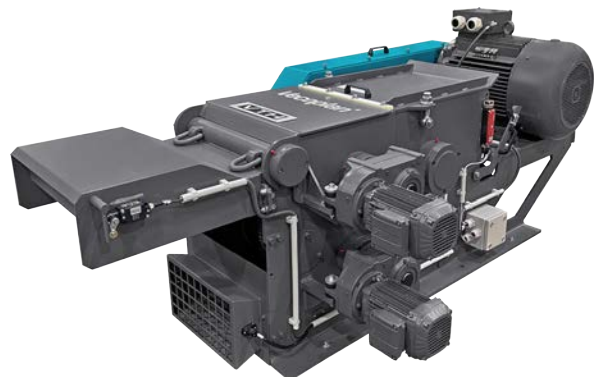
# VTH Series

## The horizontal grinder for lengthy wood material

The workhorse of sawmills, flooring plants, architectural millwork shops, and any manufacturer producing large amounts of linear waste. The VTH line easily handles waste produced by straight-lines, gang-rips, panel saws, and similar processes.

### Standard Features

- Upper and lower infeed rollers that securely guide material toward rotor for efficient processing
- Dynamically adapting feed rate based on rotor amperage load for optimal efficiency without manual adjustments
- Outboard spherical roller bearings with machined steel housing
- Maintenance for all consumable wear items via hinged & safety-locked top access cover
- 16 ft heavy-duty vibratory infeed conveyor included as standard



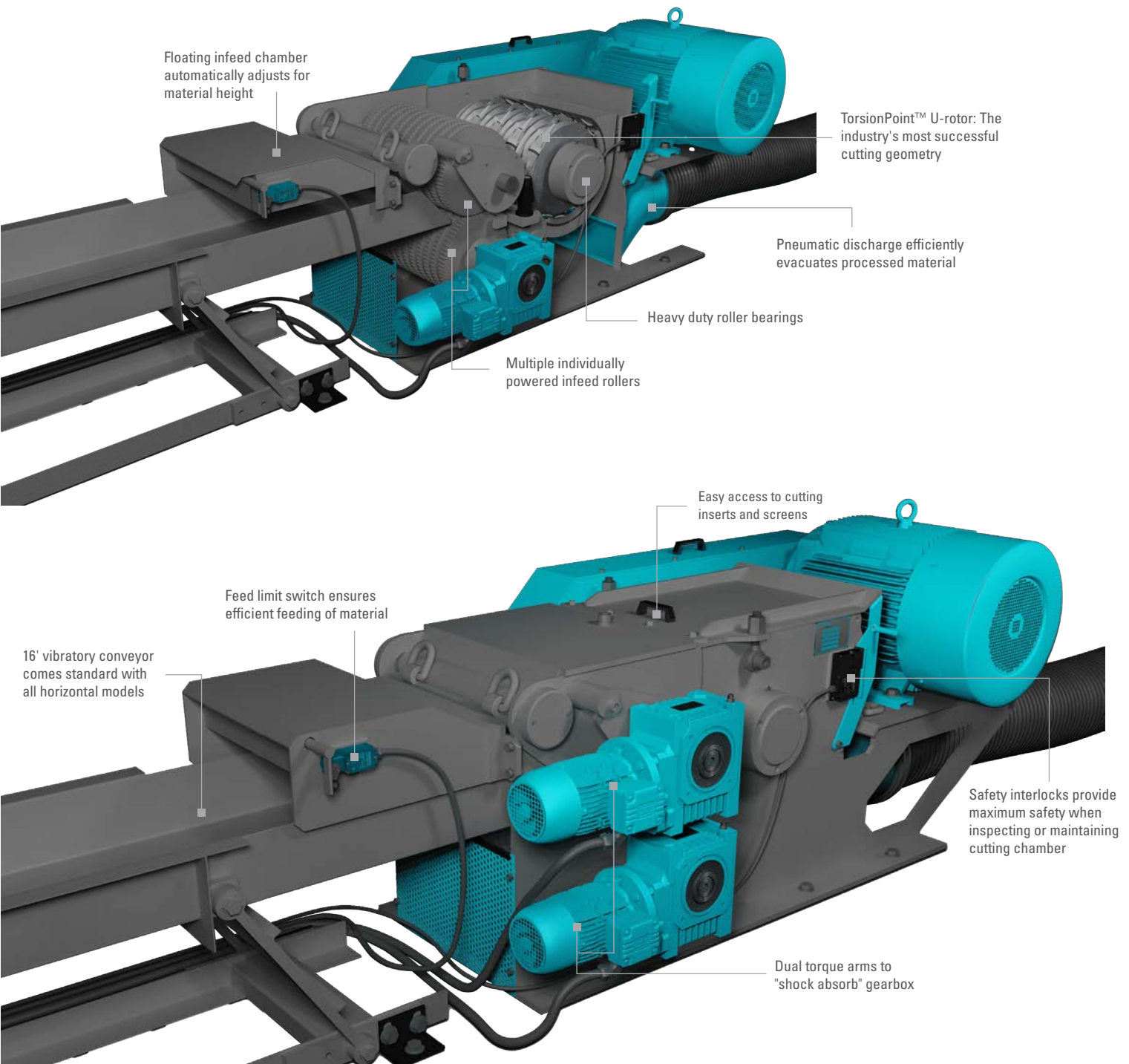


# Make Short Work of Long Scrap

The VTH line's horizontal infeed opening allows the machine to efficiently process large sizes and volumes of lumber, slabs, moldings, and other wood strips, maximizing throughput.

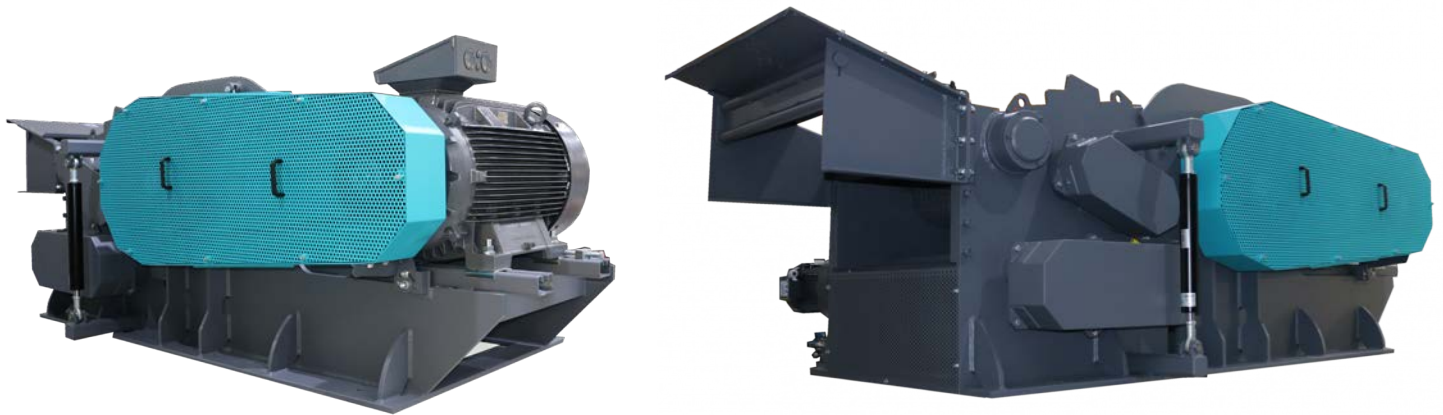
## Available Options

- Custom length infeed conveyor
- Pneumatic lift assist for oversized material transfer
- Acoustic enclosure to lower sound level
- Various screen sizes from 3/8" to 3" diameter



# VTH – More Than Just a Grinder

The VTH builds on the VAZ range's features and capabilities such as the U-rotor and motor configurability, and adapts them to handle lineal wood scrap with ease and efficiency. This specialized design ensures smooth, reliable processing of longer wood scrap.



Specifications		80/350/2	120/450/2	120/650/2	120/850/2	150/550/2	150/1250/2
Infeed Dimensions (W x H)	in	14 x 3.5	18 x 5	26 x 5	34 x 5	22 x 6	50 x 6
Rotor Size - Diameter	in	12	15			20	
Rotor Speed (Fixed)	rpm	500					
Number of Cutters	pcs	12	24	34	44	30	64
Motor Size	hp	30, 40, 50	50, 60, 75, 100	50, 60, 75, 100	60, 75, 100, 125	60, 75, 100	125, 150
Dimensions (W x H x L)*	in	45 x 34 x 67	65 x 41 x 103	62 x 50 x 103	59 x 41 x 105	67 x 48 x 115	129 x 44 x 11

\*Length shown does not include standard 16ft. vibratory conveyor. Other conveyor lengths available. Contact Vecoplan for details.  
Detailed dimension sheets and load information on request. Subject to technical changes without notice.



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# VAZ 1800 - 2500



Vecoplan's VAZ 1800-VAZ 2500 range of shredders is engineered for continuous operation, capable of processing high volumes exceeding 10 tons per hour. These models can handle large pieces and are ideal for varied input streams, making them perfect for industrial settings and other challenging environments and applications.

## Features

- Frequency controlled high torque motor
- Foreign object detection
- Constant material feed for large and bulky materials

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# Dual Shaft

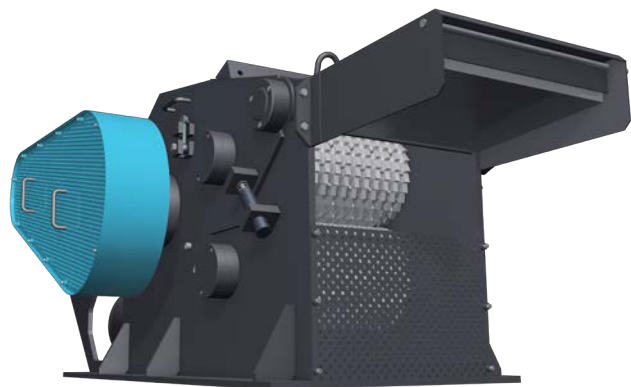


Dual shaft shredders pick up where Vecoplan's industry-leading, single-shaft models leave off. Capable of handling extremely large pieces with ease, they are ideal for large-scale operations and the most demanding applications. Designed for extreme duty and continuous operation, they can process up to 50 tons per hour. These shredders are particularly effective in reducing construction and demolition waste and in preparing wood waste for fuel and compost.

## Features

- Extreme capacity and throughput
- Thick-walled, ribbed construction machine housing for unmatched durability
- Multi-piece counter knife with pneumatic cross-bar simplifies maintenance work and removal of impurities

# Chippers



Vecoplan chippers feature a horizontal infeed design and offer versatile design options alongside immense throughputs of up to 250 tons per hour. Multiple infeed rollers dynamically adapt to changing feedstock sizes, ensuring efficient and consistent processing in large chipping plants, the energy and pellet industry, and boiler feed preparation.

## Features

- Multi-knife configuration
- Multiple infeed rollers adapt to changing feedstock
- Greater particle size flexibility
- Low fines content

# Conveyors



Vecoplan offers a comprehensive range of conveying equipment to optimize efficiency and streamline operations. Designed for heavy-duty, continuous operation, they offer a tailored solution to meet nearly every material transfer challenge.

## Conveyors Include

- Drag Chain
- Belt
- Vibratory
- Screw/Auger
- Air-supported tubular belt
- Screw/Chain combo



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# Auxiliary Components



In addition to high-performance shredders, grinders, and chippers, Vecoplan manufactures a wide range of equipment for a complete plant solution. Screening, separation, storage, dosing equipment, and more can be tailored to meet virtually any processing need.

## Auxiliary Components Include

- Infeed/Discharge conveyors
- Loading/Unloading conveyors
- Sorting and separating
- Metal detection/removal
- Air classification
- Fines extraction
- Drying and cooling
- Storage and dosing
- Pelletizing and pellet bagging

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# Turnkey Systems



Vecoplan excels in application engineering, whether your project is simple or complex. We work closely with you to understand the nuances of your operations and processes, developing, designing, and implementing a customized system that fits your needs and site conditions.

Careful attention to detail throughout the process eliminates costly installation and operation errors while start-up assistance, training, and post-installation parts and service support minimize downtime, ensuring you get the most out of your Vecoplan system.



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