

# VAZ 1300 - 1600

## New Generation Shredders

**Vecoplan**<sup>®</sup>



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# Vecoplan New Generation VAZ Shredders



## The New Generation VAZ

Vecoplan's tradition of unrivaled quality, service and innovation continues with the latest in our line of low speed, high torque single shaft rotary shredders - the "New Generation" VAZ models.

Vecoplan's New Generation shredders incorporate a wide range of innovations that improve performance, increase durability and decrease maintenance time.

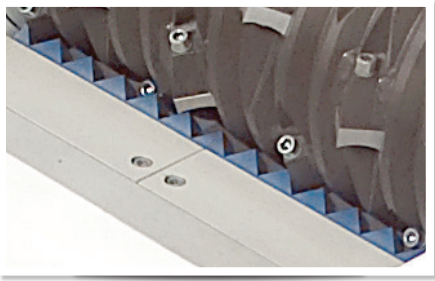
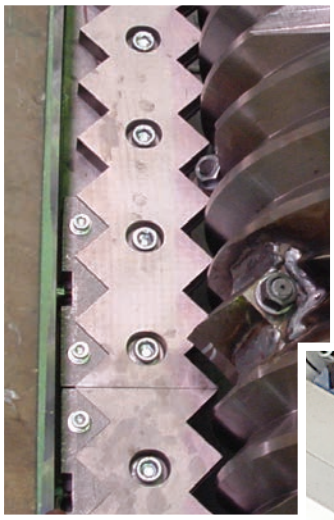
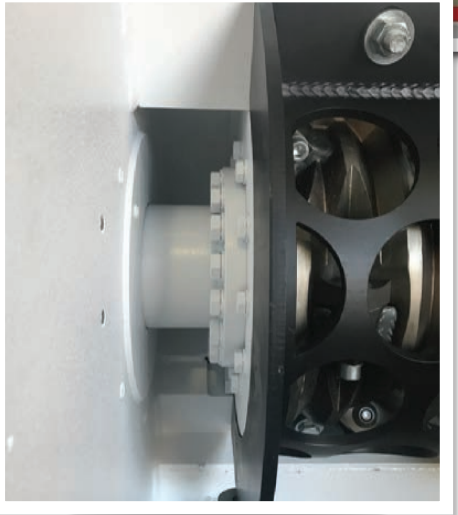
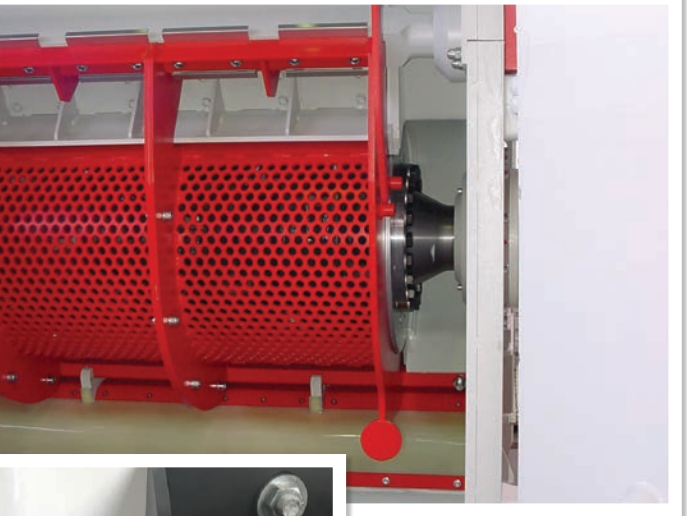
These features and options include:

- Cardan Shaft Drives
- Double Sidewalls
- Reversible Counter Knives
- Rotatable Screens
- Optional Hydraulic Swing-Up Screen Carriages
- Optimal Externally Adjustable Counter Knives.

## Double Side Walls

The double side wall design significantly reduces wear and abrasion on the machine by putting a gap between the end of the rotor and the machine side wall. The gap is sized to prevent material from getting stuck in between the rotor and the machine housing while also allowing any material that does get in there to easily fall-out or be removed during clean-out.

- Higher operational reliability and lower wear costs.
- Screwed wear rings at the rotor and in the side wall simplifies their replacement.
- No smearing of material between the two surfaces reduces risk of fire.
- No thermal transfer between the rotor and the bearings.
- Considerably easier and quicker clean-out.



## Reversible Bed Knife

Reversible counter knives located in the bed of the cutting chamber deliver twice the life while cutting replacement costs in half. No need to replace bedknives when they begin to wear - simply flip them to expose a completely new cutting surface.

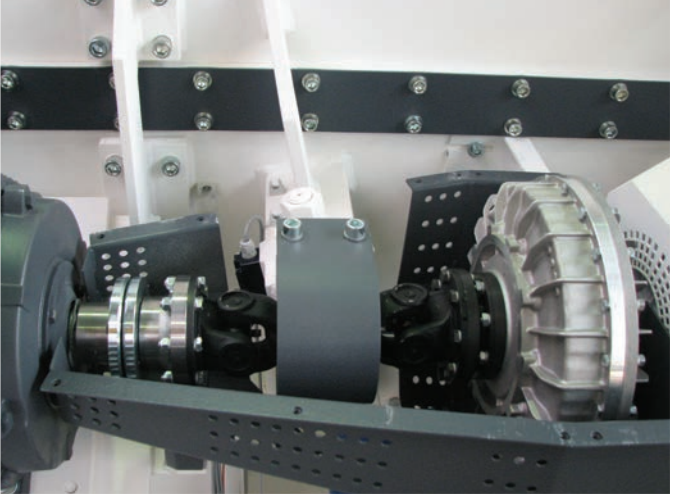


## Innovative Features - Standard

### Cardan Shaft Direct Drive

The unique and innovative cardan shaft drive replaces the traditional belt drive system. This direct drive system eliminates drive belts, lowers maintenance costs and decreases overall machine and machine base widths, provides vast improvements in efficiency, operation and maintenance:

- Lower maintenance costs and no tensioning of the "V-Belt"
- No risk of alignment failure
- No wear on the belt drive, eliminating the risk and cause of many fires
- Machine width is reduced giving the same capacity machine with a smaller footprint.
- Maintenance and clean-up around the base of the machine is simpler



## VECOPLAN'S "U" ROTOR

Developed and Patented by Vecoplan  
The industry's most successful cutting rotor design.



**PATENTED**

Heavy shelf over ram cavity to protect hydraulic cylinders from impact.

Heavy dual cushioned hydraulic cylinders to advance process ram. Cylinders are secured with reinforced, vibration dampening clamps.

★ Hinged cover provides protection to ram drive cylinders and allows easy access for routine maintenance.

Heavy side walls, braces and reinforcements  
Robotically welded for stress-free construction.

Hardox™ "Process ram" provides precision feed of material to cutting rotor. Ram quickly adjusts to different load variables to maximize processing efficiency.

The cutting rotor has been engineered for durability and carries a Limited Lifetime Warranty. Cutting inserts are precision fit for easy maintenance.

Rotors are available in several diameters dependent on throughput requirements.

Large infeed hopper for true Dump-And-Run operation.

Sizing screens from 3/8" to 6" add economical production of consistent sized particles in one pass.

★ Hinged clean-out access doors with safety switches to access screen and cutting rotor for routine maintenance.

Oversized, shaft-mounted reduction gearbox rated with extreme-duty service and safety factors.

Optional hydraulic assisted screen carriage for quick and easy screen changes and simplified maintenance.

★ Quick change oversized ram guide rails are removable from the exterior of the machine.

## AVAILABLE FILM / FIBER ROTOR

For Shredding Of Most Flexible, High-Tenacity Materials That Tend To "Self-Feed"



**PATENTED**

• **SURE CUT™** (patented) cutting system with built-in 2-stage auxiliary reduction

• Special reinforced, close tolerance screen

• Special "wedge" adjustable counter knife

High quality, premium efficiency drive motors.

★ Torque arm with disc springs to "shock absorb" gearbox.

Equipped with a "shut down" switch to limit damage from tramp metal.

★ Denotes A Vecoplan Exclusive

### OPTIONS:

- Quick Disconnect & Quick Clean Screens
- Multiple Rotor Configurations
- Multiple Cutter Insert Sizes
- Special Purpose Screens
- Hydraulic "BridgeBreaker" Vertical Feed Ram
- Airspring Counterknife for High Tramp Metal Content

Direct drive provides more torque, a smaller footprint and less maintenance than belt-drive systems.

Double sidewalls prevent bearing contamination and sidewall wear.

Flanged discharge to accommodate an assortment of pneumatic and mechanical conveyance systems.

Anvil has a replaceable counter knife plate with close tolerance profile. The anvil stabilizes and anchors the grinding process.

Reversible and adjustable counter knives deliver twice the operating life.

Optional externally adjustable counter knives to easily maintain tolerances.

High quality, double row, self-aligning spherical pendulum roller bearings mounted outboard for ease of maintenance and prevention of contamination.



# *Vecoplan*<sup>®</sup>

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