

# Stacked System VAZ Series

**Vecoplan**<sup>®</sup>



## Stacked System VAZ Series

Vecoplan's unique combination of shredder / granulator simplifies material processing to an energy efficient, single-step process.

# Vecoplan VAZ Series Stacked Systems

## The Concept

Vecoplan Stacked Systems combine the advantages of a plastics shredder with the advantages of a plastics granulator, by literally incorporating both machines into one seamless system. Aptly named, the Vecoplan Stacked System features a shredder stacked on top of, and feeding directly into, a granulator. Vecoplan Stacked Systems ensure balanced processing. Integrated controls continuously monitor material feed rates between all components of the system, including upstream and downstream equipment. Automatically adjusting each component to maximize processing performance.

## The Shredder

The first step in Vecoplan's Stacked System design is the shredder. Fifty years of expertise in size reduction technology is built into every shredder from Vecoplan. Vecoplan's single-shaft shredders are the most widely used in the world, and offer controllable and changeable shredded particle output size via interchangeable screens. Vecoplan screens are inexpensive and can be quickly and easily changed, allowing you to control and change particle size to fit your specific application – now and in the future. All Vecoplan shredder features are engineered specifically to provide the most effective operation, with more cost efficiency and to make maintenance easier and less expensive. The heavy-duty, quality construction means that Vecoplan shredders require less maintenance and last longer than other machines.

## FEATURES

- Low Speed / High Torque Design
- Touch Pad Monitoring & Control
- Easy Accessibility
- Tramp Metal Protection
- Equity "Buyback" Guarantee
- Low RPM / Low Noise
- Large Infeed Hopper
- Precision Hydraulic "Process Ram"
- 4-Way, Indexable Cutting Inserts
- High Output "Torsion Point" Cutting Rotor
- Heavy Duty Construction
- Rugged Hydraulics
- Stress-Free Frame, Robotically Welded
- Oversized Drivetrain
- Heavy Spherical Roller Bearings
- Fluid "TurboCoupling"
- PLC Control Panel
- ISO 9001 Manufactured



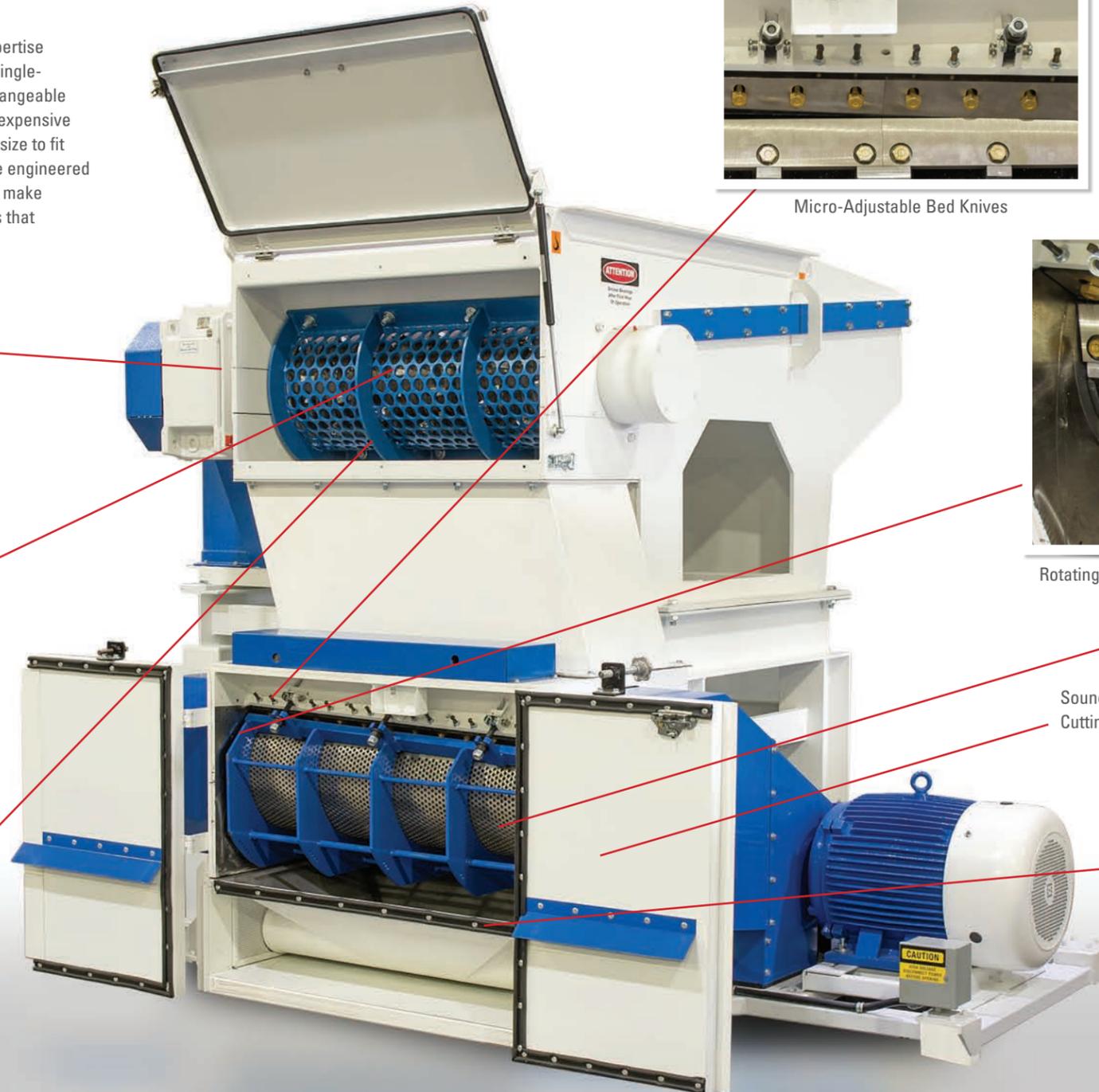
Tramp Metal Protection



Patented U-Rotor and Feed Ram



Screened Discharge Controls Particle Size



## Efficiency In A Single System

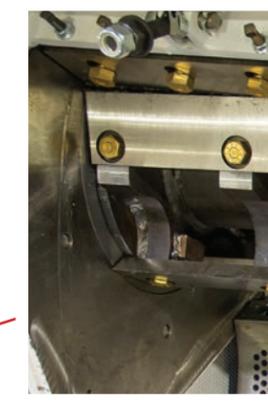
The most time and cost efficient way to reduce large plastic scrap down to relatively small (larger than 3/8") size is with a cutting rotor turning at slow speeds but with high torque. A shredder does exactly that. To achieve a final particle size of 3/8" or less, a cutting rotor turning at high speeds but with low torque is more efficient. A granulator does exactly that. By combining both a shredder and a granulator, Vecoplan Stacked Systems deliver the advantages inherent in both technologies.

## The Granulator

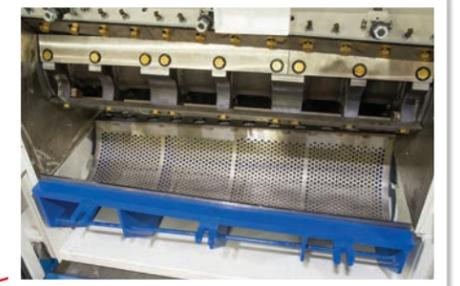
The second step in Vecoplan's Stacked System design is the granulator. Once material is reduced to a manageable size, it is then fed into the granulating second stage where it is processed to a controlled, final particle size. This allows efficient in-house recycling of scrap for re-use in the production run. Due to its inherent design. The stacked system is a compact unit with a minimal footprint, making it perfect for operations with limited floor space.



Micro-Adjustable Bed Knives



Rotating Rotor End Discs



Screened Discharge Controls Particle Size

Sound-Dampening Cutting Chamber



Pull-Out Tray for Easy Cleanout

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## FEATURES

- Available Shredder Models: VAZ-800, VAZ-1100, VAZ-1100XL, VAZ-1300 NewGen, VAZ-1600 NewGen and the VAZ-1800
  - Throughput Range from 500 to 8,000 lbs/hr.
  - Cutting Chamber Sizes from 32" x 40" to 70" x 80"

## OPTIONS

- Magnetic Separation and Protection
  - Electro-Magnetic Drives
- System-Wide Interlock to Downstream Equipment

**Vecoplan**<sup>®</sup>

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