



NEW!

**YOU ASKED. WE LISTENED.
OUR NEW GRANULATORS ANSWERED.**



THE VIPER



EASY ACCESS TO TAKE YOUR LINE FURTHER

INTRODUCING THE VIPER ADVANTAGE.

EASIER TO CLEAN. SIMPLER AND SAFER TO USE. AND MORE COST EFFECTIVE.

Overall

- Simple design requires no tools to access
- Electrical disconnects standard

Bed knives

- All bed knives remain stationary and never move when the screen cradle is opened for access
- Better regrind quality and higher throughputs
- Scissor-cut action knives are all capable of being re-sharpened

Easier to clean

- Smooth steel surfaces, hex headbolts, powder coated pneuveys and screen cradles allow for easy cleaning and less contamination
- Drop-down screen cradles facilitate easy cleaning and better cutting chamber strength, unlike open-hearted chambers
- Tilt-back hoppers for easy cleaning and maintenance

Easier to use

- Sound enclosure design makes it easier to verify proper rotation and to access even the most difficult parts of the granulator for easy maintenance
- Gas cylinder and electrical jackscrew assisted hoppers on larger machines help with ease of maintenance and operator safety

Thermoforming granulator

- Designed for inline and startup recovery of thermoformed sheet and web with parts
- Feed rolls with variable speed and pneumatic open/closing
- Loop control to meter material in line with thermoform equipment "dancing arm"
- Fully soundproofed base for quiet operation

More cost-effective and precise

- Flywheel type rotor-pulley is standard on all machines and adds inertia to the cutting process, smoothing out peak amps
- Industry leading screen surface area achieves higher throughputs and less fines/dust
- Constant Cutting Circle geometry allows for precise knife gaps no matter how many times the knives are re-sharpened (not available on all sizes)

Safer to use

- Redundant safety switches offer maximum protection for machine operators and maintenance staff
- Mechanical rotor locks are standard on the 17-Series and larger to help with maintenance by eliminating rotor imbalance, promoting a safe work environment
- The door safety switch and access to the cutting area are both simple, fast and safe

Screen cradle

- Only supports the screen and is hinged in the back of the chamber, eliminating stress on the pivot point
- Easily opened and closed for quick access
- Not a part of the cutting chamber and much less expensive to replace if damaged

- Low-profile
- Self-cooling grinding chamber by ventilation system
- Double-bevel first fixed knife
- Large discharge screen coverage area

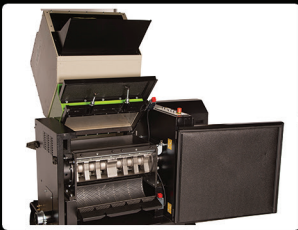




THE VIPER 12-SERIES

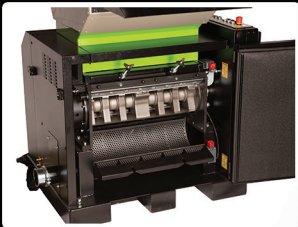


THE APEX PREDATOR OF GRANULATORS IS HERE.



Easy access

Tilt back easy access to the entire grinding chamber.



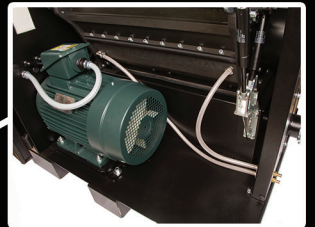
Industry leading screen surface area

50% screen surface area for higher throughputs.



Simple controls

Easy-to-use controls make operation a snap.



Water cooled cutting chamber

Standard design for cooler operation and reduced downtime.

THREE WAYS VIPER 12 SERIES SIMPLY DOES IT BETTER.

Quiet operation

- Soundproofed hoppers and base enclosures ensure near ninja-like silence.

Direct, safe and easy access

- Complete rotor access simplifies clean out and blade maintenance, saving you time and money.

Greater screen area equals higher throughput

- Best-in-class throughput of higher quality regrind with less heat generation and minimized fines.

6-SERIES

If you're looking for exceptional value in a compact, quiet design, you've come to the right place. 6-Series Granulators are ideal for the processor who has small injection molding machines and wants a lot of value in a small package. This quiet, energy efficient granulator conserves valuable floor space while producing quality regrind from robot-fed sprues, runners and small parts. All models feature tangential feed, case-hardened cutting chambers, soundproofed hoppers, low-speed motors, and staggered rotors with replaceable cassette knives that never need resharpening.



8-SERIES

Conair's Viper Granulator 8-Series tangential granulators have footprint dimensions at least 30% smaller than many other granulators with similar capabilities. The hardened, tangential cutting chamber is ideal for handling lightweight bulky parts such as bottles, runners, film, edge trim and parts. Fully soundproofed base and hopper make the 8-Series quieter than other small granulators.



23-SERIES

Conair's Viper Granulator, heavy-duty 23-Series granulators are designed for high throughput applications to provide exceptional and dedicated size reduction for blow molders, injection molders, extruders, and recyclers.

These industrial-strength granulators feature two available types of cutting chamber geometry from super-tangential to tangential, allowing you to process virtually any kind of scrap. Easy pre-adjustment of the gap between rotor and fixed bed knives results in increased throughputs and high-quality, uniform regrind.



17-SERIES

Conair's Viper Granulator 17-Series granulators are versatile, rugged and designed for central or machine-side recycling of tough, injection molded parts, bulky blow-molded containers, film, sheet, and extruded parts and scrap. These heavy-duty granulators feature two styles of cutting chamber geometry from super-tangential to tangential, allowing you to process virtually any kind of scrap.

Easy pre-adjustment of the gap between rotor and fixed bed knives results in increased throughputs and high-quality, uniform regrind.



32 & 35-SERIES

Conair's Viper Granulator, heavy-duty 32- and 35-Series granulators are designed for high throughput applications to provide exceptional and dedicated size reduction suitable for large volume post industrial and post consumer recycling as well as thermoforming with the optional feed roll devices.

These industrial-strength granulators feature heavy duty rotors and cutting chambers allowing you to process virtually any kind of scrap. They are also offered in a wet-grinding configuration for PET and HDPE bottle recycling.

COMPETITION	VIPER
Abrasive materials wear out the internal components, creating poor performance and excess dust, and creates excess costs due to wear	Hardened cutting chambers are standard on the 6 Series through the 17 Series. Optional on the 23 Series and up
Material can get pinched between rotating knives and cutterhouse wall leading to melting or burning of material	Hardened rotating rotor end disc standard on 8 Series through 23 Series
Knife tolerance goes out of specification and premature bearing failures occur	Oversized rotor bearing mounts integral/solid with chamber with solid rotor mount
Cast rotors can not be repaired and have rough surfaces which causes material to smear	Oversized welded steel open-rotors (not castings) provides for sturdy mounting of rotating knives with smooth contact surfaces
Excess build-up of heat in the cutting chamber causing meltdowns or smearing	Water cooling channel in the cutting chamber (standard in 12 Series through 23 Series)
Rough surfaces in the cutting chamber make cleaning difficult and lead to contamination	Smooth steel surfaces in the cutting chamber
Not all knives can be re-sharpened, some use cassette knives	Fully sharpenable blade configurations for all models
Difficult knife changes, cap screws create pockets of contamination	Hex head bolts for fastening the rotating knives, not cap screws on the top of the rotor lobe
Light-weight rotor pulley adds little inertia	Flywheel type rotor-pulley standard on all machines
Difficult to verify rotation direction	Sight glass in sound enclosure
Base enclosure time-consuming to remove, with 20-40 bolts that must be removed	Swing away sound enclosures
Small screen area, decreases screen life and material throughput	Industry leading screen surface area
As knives are re-sharpened, gap increases, creating excess dust, lower throughputs and excess noise	Constant cutting circle geometry
Hoppers must be unbolted for access, or are unassisted creating difficult tilting and safety hazard	Gas cylinder & electrical jackscrew assisted lifting
Lack of safety switches OR switches that are complicated and cause open/close issues, operating errors or are disabled	High quality, simple safety switches
Bare metal pneuveys/cradles hold dust, can rust and do not evacuate easily	Powder coated pneuveys and screen cradles
Door mounted screen cradles are hard to access, or not strong enough to be held securely in place, creating cutting problems like poor knife gaps leading to dust and difficult maintenance	Drop-down screen cradles
Hoppers are bolted to the chassis, only able to be removed using tools and hoist/lift. Requires multiple personnel while taking significant time	Tilt-back hoppers
Rotor can spin during maintenance unless using a block of wood or other foreign object. This is often unsafe, and can cause damage to the cutting chamber	Mechanical rotor locks are standard on the 17-Series and larger to help with maintenance by eliminating rotor imbalance
Trying to adjust knives in the machine is inaccurate, unsafe, increases downtime. Knife-setting fixtures are optional, and often are not full length	Pre-adjustable knives, full-length knife-setting fixture standard

BENEFIT

Resists wear even on the most abrasive materials, reducing noise, dust and downtime

Eliminates material from being trapped between knives and wall, and makes equipment easier to clean

Ensures precise knife tolerance and firmly keeps bearing in place and protected

Repairable if damaged, smooth surfaces

Allows for easy cleaning and less contamination

Power hopper option

All knives are capable of re-sharpening giving longer life and less cost

Faster, easier maintenance and minimization of contamination

Steady rotor speed, steady energy draw, less equipment wear and less jamming

Quick verification of pulley/belt rotation direction with indicator arrow

Tool-less access in under 10 seconds

Screens last longer, less heat generated, higher throughputs and less dust/fines

Precise knife gaps, throughput maintained, granulate quality higher, less screen wear

Tilting hopper for full access to cutting chamber is simple and safe

Simple and redundant safety switches, intelligently located making opening/closing cutting chamber simple and safe

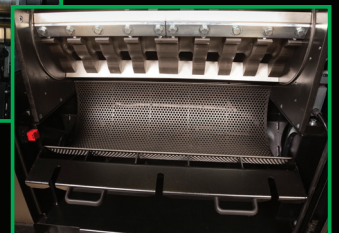
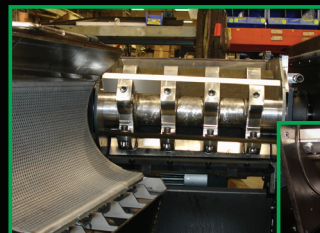
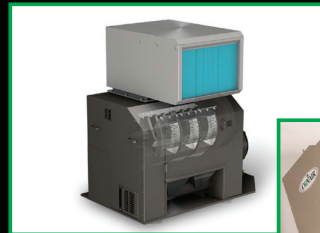
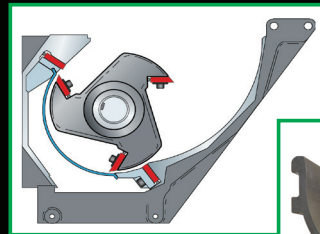
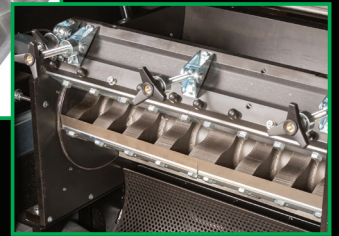
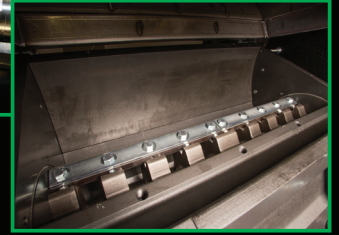
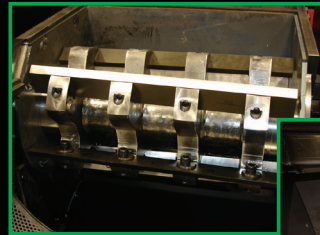
Simple to clean, do not hold dust, evacuate easily

Easy access to screen cradles, while maintaining structural integrity of cutting chamber and high-quality regrind standards

Tilt-back hoppers offer quick, safe, tool-less access to cutting chamber

100% safe for the operator and the equipment, makes rotor maintenance easy

Spare knives can be pre-adjusted offline, so that they're ready for use. A full knife-setting fixture ships with every machine



VIPER

EASIER ACCESS
FOR BETTER
MAINTENANCE
AND CLEANING