

High-Performance Granulators Perfect For Thermoforming

Conair's Viper Granulator, heavy-duty WS-Series granulators are designed for high-throughput applications to provide exceptional and dedicated size reduction for sheet, web and thermoforming processes.

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



High Throughputs in an Easy-to-Clean Design

Conair's WS-Series is a perfect fit for inline granulation in the thermoforming process with a compact footprint and full sound enclosure.

In addition to the easy integration, the WS-Series offers a drop-down screen cradle for the industry's fastest and safest chamber access without the need for tools. All maintenance can be done on one side of the machine. A three-blade slant-knife open rotor provides scissor-cutting action for fast, efficient processing.

WS-Series options include: high-wear screen and knives, blower evacuation systems, fines removal systems, high-level/high-amp alarms, and larger horsepower motors.

- ▶ **Direct, safe and easy access to machine core**
Conair's WS-Series granulator features a drop-down screen cradle and removable discharge bin without tilting needed. Complete rotor access greatly simplifies clean out and blade maintenance saving you time and money.
- ▶ **Optical-touchless and Pneumatic dancing arm**
The dancing arm feeds thermoforming scrap into the granulator at the same speed as your process for high-quality regrind that won't hold up your line.
- ▶ **High-quality regrind**
The scissor-cutting configuration, larger screen area, and pre-adjustable rotating and fixed knives provide consistent knife gaps to produce high quality regrind.
- ▶ **Greater screen area equals higher throughput with fewer fines**
Rotor knives adjust outward to the stationary bed knives to maintain an unchanging gap between the knives and screen, eliminating screen clogging, minimizing heat buildup and reducing fines for best-in-class throughput of higher quality regrind.
- ▶ **Automatic rotor safety brake**
The WS-Series rotor safety brake automatically locks the rotor in place when the housing is opened. This safety feature, which also has a manual release, protects the operator during blade maintenance by holding the rotor firmly in place.
- ▶ **Pre-Adjustable knives**
Provides the ultimate in blade changes. Knives are pre-set in the included knife setting fixture decreasing the time it takes to replace knives while improving safety.

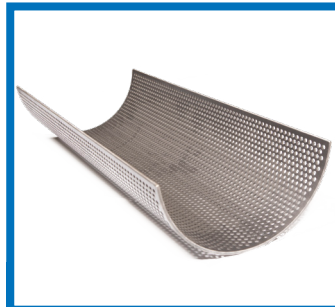


Features

- Fully-soundproofed design
- No-longs design
- Large rotor diameter design for strength
- Roller bearings mount integral with cutting chamber
- Flywheel-type rotor pulley mounted with taper-lock bushing
- Stationary rotor brake for safe cutting chamber maintenance
- Easy tool-free access for quick and simple cleaning and maintenance all from one side of the machine
- Drop-down screen cradle
- One driven and one idler roller
- Infeed roller with torque arm
- Mechanical pneumatic dancing arm
- 3-knife rotor with steep angle cutting configuration
- Scissor-cutting configuration
- Pre-adjustable knives
- Open area screen equal to approximately 50% of the rotor diameter
- NEMA control panel
- Specially designed discharge for blower evacuation



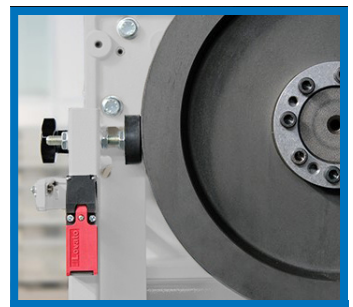
No-longs design



Screen equal to approximately 50% of the rotor diameter



Mechanical pneumatic dancing arm



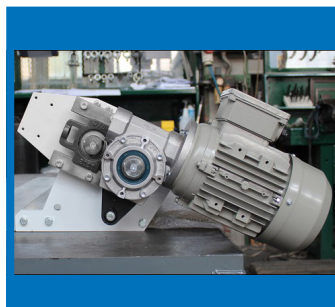
Rotor brake device for maintenance

Options

- Hardened cutting chamber
- High-wear knives and screens
- Optical touchless dancing arm
- Dual driven feed roller
- Manual feeding hopper
- Main electrical disconnect
- High-amp control with alarm
- High-level control with alarm



Optical touchless dancing arm

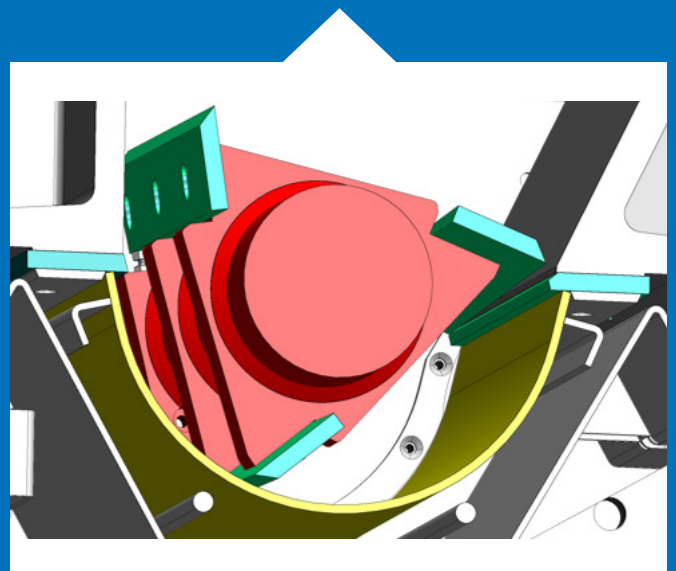


Dual driven feed roller

WS-Series Cutting Chamber Configurations

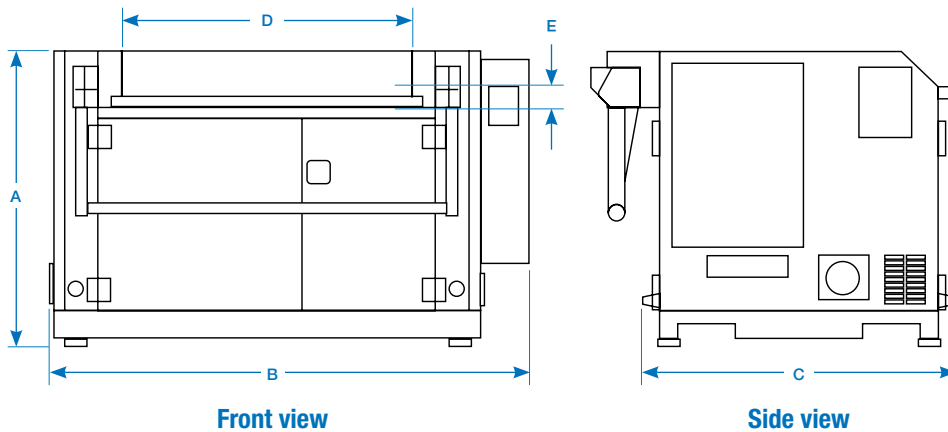
Tangential Chamber

Designed specifically to efficiently granulate every plastics type PP, PS, PET, PLA and mono and Coex ones used for web, sheet, and thermoforming applications.



Specifications

Granulator with standard feed



Application Note

Allow appropriate clearance in back machine for chamber door opening during maintenance.

A photograph of the granulator with its large front chamber door open, revealing the internal rotor and cutting mechanism.

Models	924	937	950	1224	1237	1250	1260
Performance characteristics							
Throughput range * lb/hr {kg/hr}	Up to 400 {181}	Up to 600 {272}	Up to 800 {363}	Up to 500 {227}	Up to 750 {340}	Up to 1000 {454}	Up to 3000 {1400}
Rotor diameter inches {mm}	9.4 {240}			11.8 {300}			
Rotor speed rpm	480			510			420
Rotor type	3-blade welded open rotor						
Rotating knives x fixed knives	3 x 2						
Standard screen hole size inches {mm}	5/16 {8}						
Cutting chamber inches {mm}	2.0 x 24.8 {50 x 630}	2.0 x 37.4 {50 x 950}	2.0 x 50.0 {50 x 1270}	4.7 x 24.8 {120 x 630}	4.7 x 37.4 {120 x 950}	4.7 x 50.0 {120 x 1270}	4.7 x 62.6 {120 x 1590}
Motor power Hp {kW}	10 + 0.75 {7.5 + 0.55}			20 + 1.5 {15 + 1.1}			25 + 1.5 {18.5 + 1.1}
Dimensions inches {mm}							
A - Height	42.5 {1080}			51.6 {1310}			
B - Width	49.6 {1260}	62.2 {1580}	74.8 {1900}	49.6 {1260}	62.2 {1580}	74.8 {1900}	86.6 {2200}
C - Depth	44.9 {1140}			48.8 {1240}			
D - Max sheet width	24.0 {610}	36.6 {930}	49.2 {1250}	24.0 {610}	36.6 {930}	49.2 {1250}	61.0 {1550}
E - Max sheet height	2.0 {50}			4.7 {120}			
Approximate weight lb {kg}							
Installed	2028 {920}	2447 {1110}	3175 {1400}	2910 {1320}	3439 {1560}	3968 {1800}	4620 {2100}
Shipping	3000 {1361}	3500 {1588}	4400 {1996}	3900 {1769}	4500 {2041}	5200 {2359}	5800 {2631}
Voltages Full load amps based on motor size †							
Motor power Hp {kW}	10 + 0.75 {7.5 + 0.55}			20 + 1.5 {15 + 1.1}			25 + 1.5 {18.5 + 1.1}
460/3 phase/60 Hz (standard)	15.6			30.0			37.0
575/3 phase/60 Hz	12.5			24.0			29.6

Specification Notes

* Throughputs are provided as a capacity guideline only. Throughput will be greater or lesser than the values shown according to the selected screen size and the shape, size, thickness and properties of the material to be cut. Consult Conair for a material test to help in determining the correct granulator model for your application.

† FLA data for reference purposes only. Does not include any accessories added such as blower or second feed motor loads. Includes standard motor only. For true, full FLA for power circuit design of specific machine refer to electrical diagram of the machine order or nameplate applied to machine at shipment.

Specifications may change without notice. Check with a Conair representative for the most current information.



