



Granulators suitable for
blow-molding waste

Granulating large blow-molded parts and tops and tails

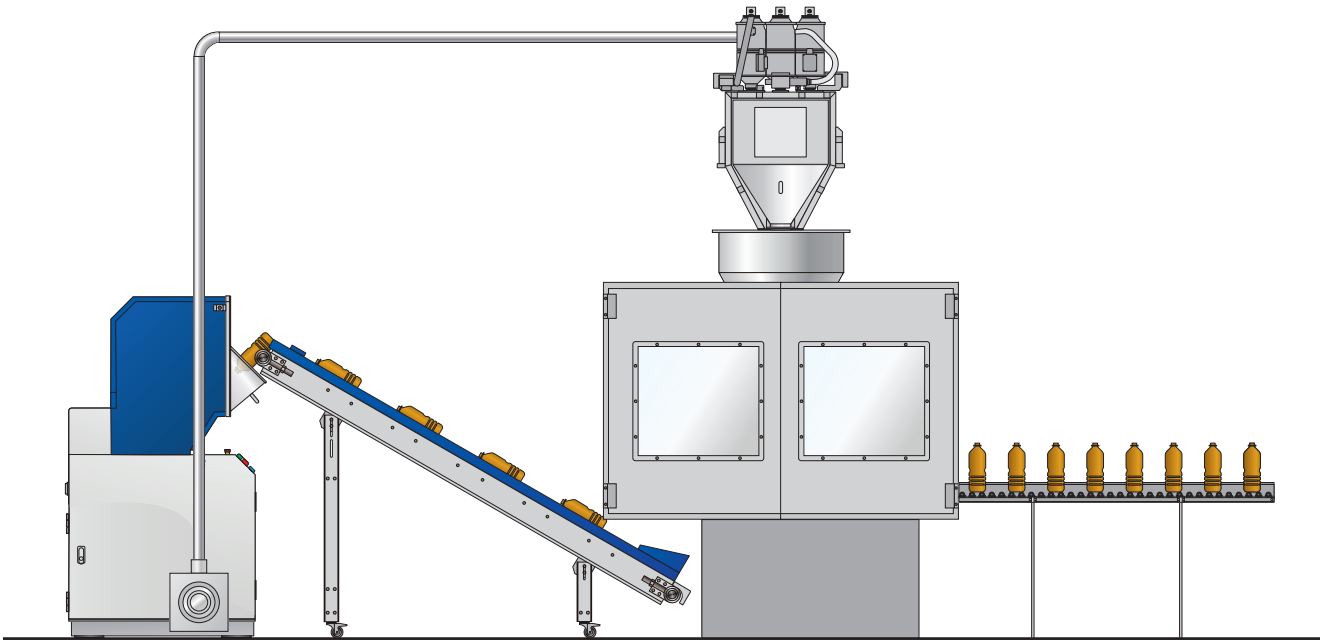


These granulators have been comprehensively redesigned to incorporate the best features of the tried-and-tested GST series, with a particular emphasis on weight, size, handling, and energy efficiency.

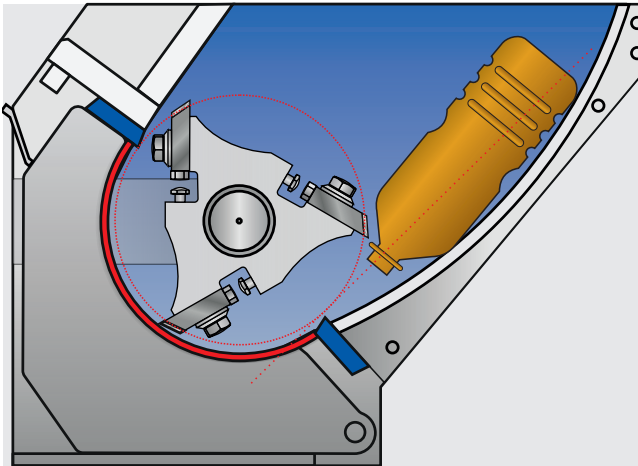
The compact machines are fully soundproofed to ensure extremely quiet operation and are available with a rotor diameter of 250 mm and in widths of 300, 450, and 600 mm.

As with all ZERMA granulators, the rotor and stator knives can be adjusted from outside the machine, which reduces maintenance downtime.





A GST granulator at a blow-molding station. Sprues and rejects are fed in via a conveyor belt. The resultant material can be reintroduced into the production process directly using a vacuum hopper loader.



The tightly curved, tangential back wall of the cutting chamber, combined with the open rotor design, ensures reliable material infeed and minimizes the risk of bridging in the hopper.

These compact granulators are ideal for use in blow-molding operations. They are well suited for recycling bulky items such as bottles and containers. Due to their low infeed height, these machines are easily loaded with material either manually or using a small infeed conveyor. Low noise emissions and a compact footprint make this granulator range a perfect solution for inline recycling applications.

- **Modern, compact design with a small footprint**
- **Easy accessibility to assist with maintenance**
- **Based on a tried-and-tested rotor and knife design**
- **Excellent acceptance of large parts**
- **Screen circumference corresponds to half the rotor circumference**
- **Soundproofed grinding housing and hopper**
- **Knives are adjusted from outside the machine**

Small in size, big in performance!

Well considered and efficient – the details



Easy access for cleaning and maintenance

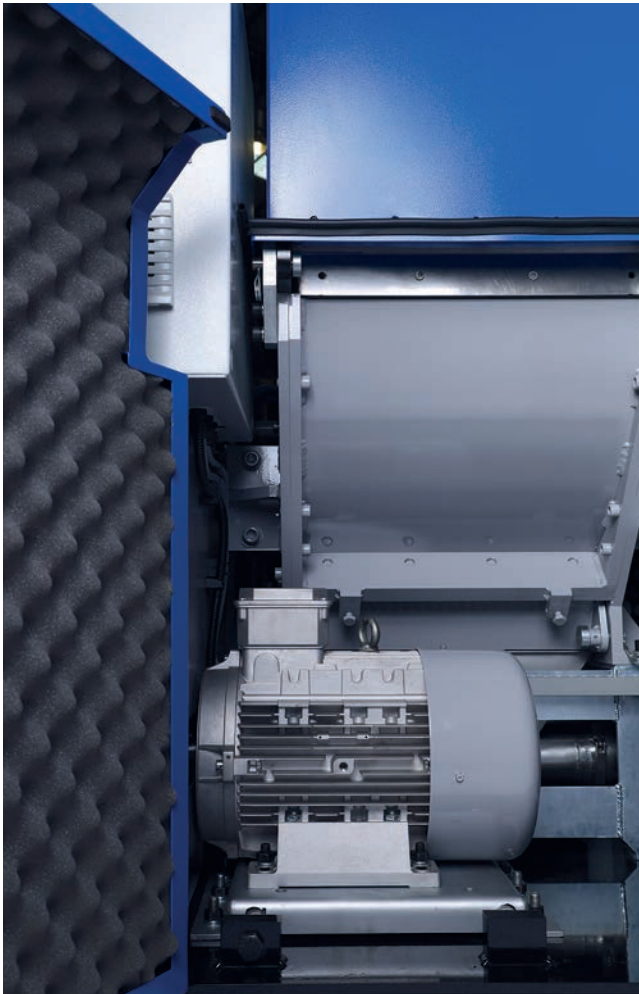
When the GST granulator was being redesigned, particular attention was paid to serviceability. The machine boasts impressively easy access for cleaning and maintenance. Its carefully considered design, which includes a wide-opening front door, ensures excellent accessibility so that all components are in easy reach.

The hopper features gas springs and can be opened easily by hand, with no need for hydraulics or a motorized hoist



Swing-away screen basket and knife change

The swing-away screen basket ensures the sieve can be easily removed and provides convenient access to the grinding chamber for cleaning and maintenance. A rotor lock prevents the rotor from twisting. This makes it easier and safer to change the knives.



Powerful drive, rear maintenance door

The wide-opening rear door of the granulator provides easy access to the rear section for maintenance and cleaning tasks.

The powerful drive, which is adequate for most applications, can also be customized for user-specific performance characteristics.

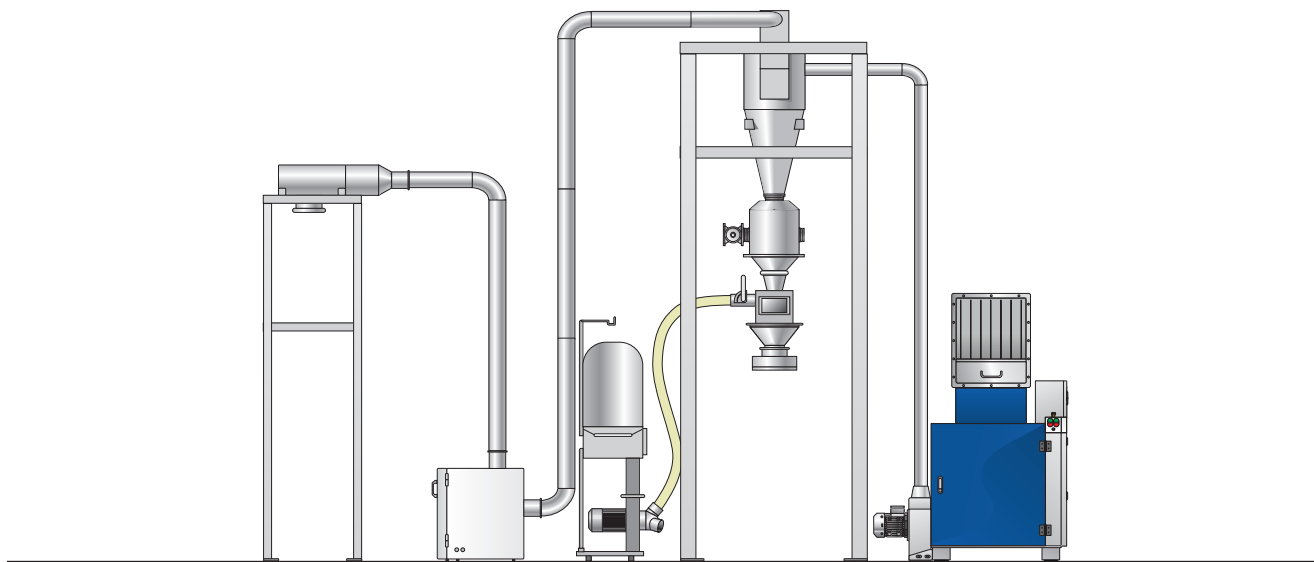


Controls and electrical cabinet

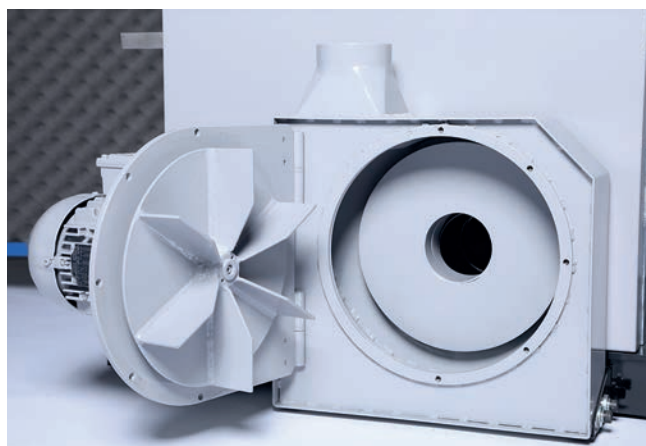
The integrated control and operator console not only complies with all applicable safety regulations but can also be tailored to specific requirements. Furthermore, peripheral devices such as feed conveyors, metal detectors, and unloading systems can be seamlessly integrated into the machine's control system.

What's more, an optional intelligent energy-saving function is available for enhanced efficiency. This function reduces power consumption during idle periods and supports an automatic system start and stop based on the status of upstream machines.

Details and options

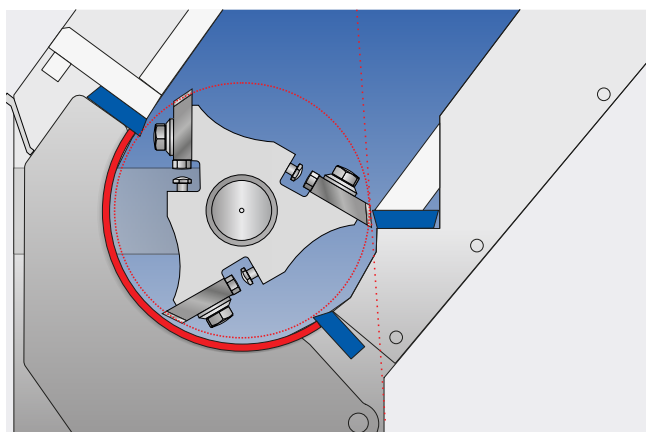


GST granulator option showing an external blower and dust/fines extraction system



Integrated blower

The blower integrated into the machine frame ensures the system can be installed in a space-saving configuration . The blower can be easily opened, thus allowing for simple and quick cleaning during material or color changes.

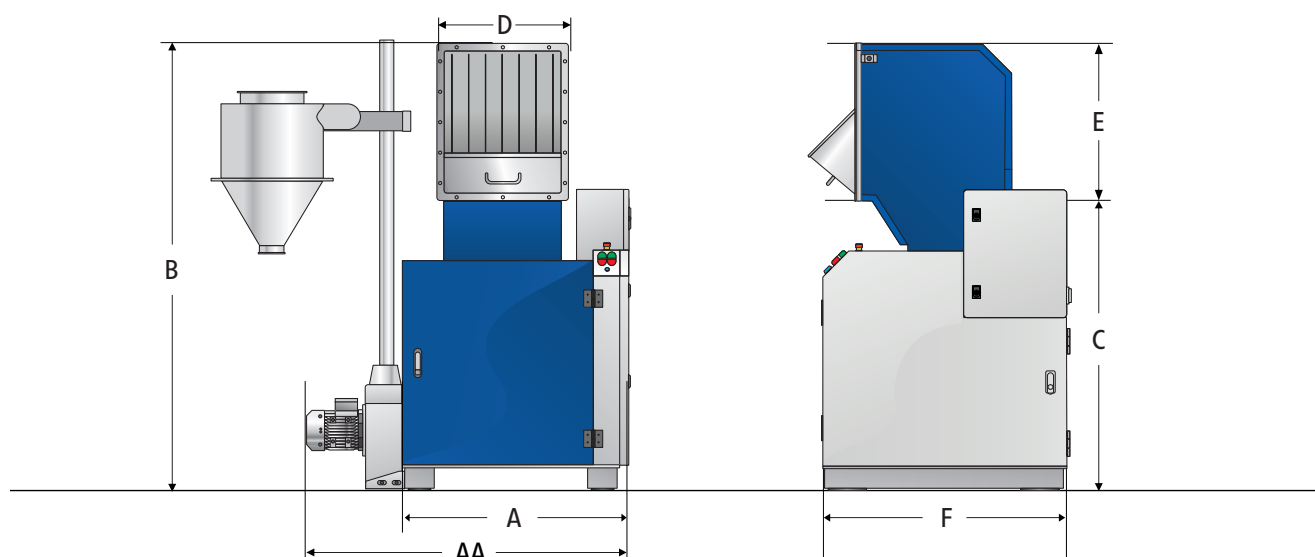


Optional back panel with raised stator knives

The feeding method with elevated stator knives is more suitable for thicker-walled and more compact parts, such as injection-molded parts, profiles, sheets, etc.

The cutting geometry and the less aggressive characteristics of the rotor result in a high-quality ground material, regardless of the material type or form, such as injection-molded parts, profiles, sheets, etc.

Technical specifications



Standard configuration with 0.75 kW blower and Ø 400 mm cyclone

Preliminary technical specifications

Type	250/300	250/450	250/600
Rotor diameter (mm)	250	250	250
Rotor width (mm)	300	450	600
Drive capacity (kW)	7.5	7.5	11
Rotor knives (pcs)	3	3	3
Stator blades (rows)	2	2	2
Screen size (mm)	> 6	> 6	> 6
Opening feed tangential (mm)	380 x 300	380 x 450	380 x 600
Opening feed super tangential (mm)	295 x 300	295 x 450	295 x 600
Weight (approx. kg)	600	700	1000

Dimensions

Type	250/300	250/450	250/600
A (mm)	750	900	1100
AA (mm)	1100	1280	1500
B (mm)	1970	1970	1970
C (mm)	1420	1420	1420
D (mm)	415	560	710
E (mm)	550	550	550
F (mm)	950	950	950



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