



GSE / GSC

COMPACT GRANULATOR



GSE- / GSC-SERIES

Our compact cutting mills of the GSE- /GSC series, with their open and aggressive rotors, were specifically designed for the injection- and blow molding industry. Typical applications for this series are large-volume products like (canisters, barrels, bottles or beverage crates) or post-shredding as the second machine in line. Both, the GSE- and GSC series, can optionally be equipped with a roller infeed for optimized cutting of foils or edge strips.



The mills of the GSE- GSC series are identical machines and differ only in one point. The GSC series features a compact and efficient noise protection housing which ensures a pleasant working environment with a low noise level. The integrated noise protection is designed for unrestrained accessibility while changing knives and screens.

The working widths range from 300 to 1400 mm and rotor diameters are available in 300, 500 and 700 mm. The rotor knives are arranged in a V-shape (except GSE/GSC 300/300). The grinding chamber is divided diagonally, which improves accessibility for maintenance and cleaning work enormously.





Open maintenance door with **closed screen basket**.



Open maintenance door with **open screen basket** for removal of the screen.



Rotor with V-cut technology

Each rotor knife row consists of 2 or 4 knives arranged in a V-shape. This arrangement conveys the material to the center of the rotor, preventing wear and material sticking to the side walls.



Rotor lock

The rotor locking ensures safe working on the machine, especially when changing knives. A safety limit switch prevents the machine from starting accidentally.



Robust, external bearing

The GSE-/GSC series has a rotor bearing separate from the cutting chamber. This prevents regrind or fines from entering the bearing.



Knife setting jig for rotor and stator knives

Adjustment of both the rotor and stator knives is carried out outside the machine in a knife setting jig included in the scope of delivery.



1st and 2nd stator knife rows can be rotated through 2 cutting edges

The first two stator knives have 2 cutting edges, which doubles their service life.



Diagonally divided cutting chamber

The diagonally divided cutting chamber can be opened hydraulically and guarantees optimal accessibility for maintenance and cleaning work.





OPTION

Roller infeed

Two feed rollers driven by a gear motor feed films, punching grids, edge strips, etc., either inline or offline, directly into the first cut of the rotor.



Safety limit switch with time delay

All our machines comply with the applicable CE safety regulations.



Hydraulics control panel

The opening and closing of the hopper as well as the screen basket takes place through a separate control panel with 2-hand operation.



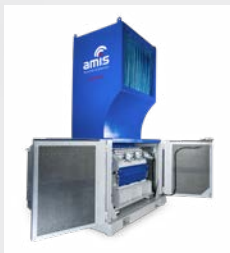
Replaceable wear plates in the upper and lower housing section

Time-consuming overhaul work on the grinding chamber is eliminated thanks to replaceable wear plates in the grinding chamber.



Deflection wedge with 3rd stator knife

The replaceable deflection wedge has a 3rd stator knife. It influences the acceptance behavior of the rotor. With the 3rd stator knife installed, the aggressiveness of the rotor is reduced, as the 1st cut is made here. This means that thicker-walled parts can also be grinded. Furthermore, the cutting sequence and thus the throughput is increased, which is also advantageous, for example, for a secondary grinder after a shredder. Without the deflection wedge, the cutting chamber is larger and the rotor more aggressive. This comes into play when grinding large-volume parts, such as bottle crates.



Noise protection system

Noise protection version of the grinder with a noise protection housing and a double-walled feed hopper. The noise protection housing can be opened from all sides, which ensures good accessibility to all maintenance relevant parts such as knives and screen.



GSE-/GSC-SERIES

GSE / GSC	300/300	300/600	300/1000	500/500	500/700
Rotor knife (rows)	3	3	3	5	5
Stator knife (rows)	2	2	2	2/3	2/3
Rotor Ø (mm)	300	300	300	500	500
Rotor width (mm)	300	600	1000	500	700
Drive (kW)	7.5	18.5	18.5	37	45
Cutting chamber inlet (mm x mm)	400 x 290	400 x 590	400 x 990	500 x 500	500 x 700
Opening in top part of machine with hopper	1	1	1	1	1
Screen basket opening	3	3	3	3	3
Approx. weight (kg)	900/1200	1130/1400	1350/1850	1700/2200	2220/3700

1 = manual hydraulics · 2 = motorized hydraulics · 3 = hand lever

GSE / GSC	500/1000	500/1400	700/700	700/1000	700/1400
Rotor knife (rows)	5	5	7	7	7
Stator knife (rows)	2/3	2/3	2/3	2/3	2/3
Rotor Ø (mm)	500	500	700	700	700
Rotor width (mm)	1000	1400	700	1000	1400
Drive (kW)	55	55	55	75	90
Cutting chamber inlet (mm x mm)	500 x 990	500 x 1400	720 x 700	720 x 990	720 x 1400
Opening in top part of machine with hopper	2	2	2	2	2
Screen basket opening	2	2	2	2	2
Approx. weight (kg)	3400/5040	3700/5500	2840/4200	4500/6550	6500/7500

1 = manual hydraulics · 2 = motorized hydraulics · 3 = hand lever

OUR SERVICES

We offer comprehensive spare parts, repair and maintenance service.

SERVICE

Our qualified specialists draw upon many years of experience in handling various types of machines. We repair and maintain machines from all major manufacturers.



SPARE PARTS, REPAIR AND MAINTENANCE

AMIS supplies spare parts and wearing parts for all makes and offers overhaul, repair and maintenance work, if possible even on site.

OPTIMIZATION

Customer specific adaptations include, for example, special hoppers, zig-zag separators, roll feeders, noise protection housing, forced feeding via force feeding screws and much more.

WE PURCHASE YOUR MACHINE

We buy used granulators, pulverizers and shredders by all common manufacturers.



TECHNICAL CENTER

Our in-house test center enables you to experience the quality of our machines and accurately simulate your process requirements.

Get in touch with us:

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