



GSH

HIGH-PERFORMANCE GRANULATORS

GSH SERIES

The machines in the GSH series are designed to handle the toughest demands and diverse requirements of modern recycling operations. They can be used both as stand-alone central granulators and as downstream granulators in larger recycling plants.



The machines can be expanded or modified with numerous options: as a wet mill in a washing system, with a Hardox wear protection package for particularly abrasive materials, with force feeding screws for forced feeding of loose PET bottles, with a noise protection housing, with a feed device for shredding films (and rolls), etc.

To meet the highly diverse challenges of a recycling operation, efforts have always been made to design the machine as universally as possible. Various rotor types are available for this purpose. Their intake behavior is additionally influenced significantly by the installation or removal of the deflection wedge with 3rd stator knife. This makes it possible to shred both large-volume (e.g. drums) and thick-walled, compact parts.

Working widths from 500 to 2400 mm are possible. The rotor diameters range from 350 to 1100 mm.

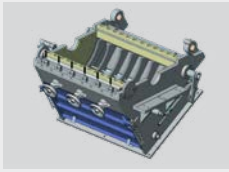




Open maintenance door with **open screen basket** for removal of the screen.



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



OPTION

Hardox wear-protection package

Wear-sensitive areas of the cutting chamber and rotor can optionally be replaced with wear-resistant components made of Hardox.



Diagonally divided cutting chamber

The diagonally divided cutting chamber can be opened by means of a motorized hydraulic system (except GSH 350/500) and guarantees optimum accessibility for maintenance and cleaning work.



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.



Massive cover plates

The threads of the knife mounting screws are located exclusively in the cover plates and not in the rotor itself.



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 GSH 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.





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.



OPTION

Wet grinder with elevated platform for integration into a washing system

Every machine from the GSH series can be converted into a wet grinder.



OPTION

Forced feeding using vertically positioned force feeding screws

This feed system was specially developed for feeding loose PET bottles. It reduces the "dancing" of the material in the cutting chamber and ensures higher throughputs through direct feeding into the rotor compared to a standard hopper. This system can be retrofitted to our machines as well as to existing machines of other brands by simply replacing the feed hopper. It can also be used in wet operation.



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 (except GSH 350/500).



Hydraulic

The machine top including hopper and screen basket can be opened by means of a motorised hydraulic system (except GSH 350/500 and 500/600).



Replaceable wear plates in the upper and lower housing section

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



GSH SERIES

GSH	350/500	500/600	500/1000	600/800	700/1000
Rotor knife (rows)	5	5	5	5 / 7	5 / 7
Stator knife (rows)	2 / 3	2 / 3	2 / 3	2 / 3	2 / 3
Rotor Ø (mm)	350	500	500	600	700
Rotor width (mm)	500	600	1000	800	1000
Cutting chamber inlet (mm)	478 × 516	636 × 615	985 × 591	788 × 695	985 × 804
Drive (kW)	22	55	55 / 75	75	90 / 110
Opening in top part of machine with hopper	1	2	2	2	2
Screen basket opening	3	3	2	2	2

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

GSH	800/1200	800/1600	800/2000	1100/1200	1100/2400
Rotor knife (rows)	7 / 9	7 / 9	7 / 9	9 / 11	9 / 11
Stator knife (rows)	2 / 3	2 / 3	2 / 3	2 / 3	2 / 3
Rotor Ø (mm)	800	800	800	1100	1100
Rotor width (mm)	1200	1600	2000	1200	2400
Cutting chamber inlet (mm)	1150 × 940	1550 × 940	1950 × 940	1150 × 1210	1960 × 1210
Drive (kW)	110 / 132	160 / 200	2 × 132 2 × 160	200	2 × 200
Opening in top part of machine with hopper	2	2	2	2	2
Screen basket opening	2	2	2	2	2

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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