

#### Some benefits:

- \_ special U-CUT rotor for soft peeling cut
- \_ no need to adjust the rotor knife
- \_ extremely quick sieve and knife change
- \_ very quick and easy to clean
- \_ ideal granulate quality, similar grain
- \_ high performance with low energy requirement
- \_ outer bearing assembly fitted, dust protection
- \_ CE certified

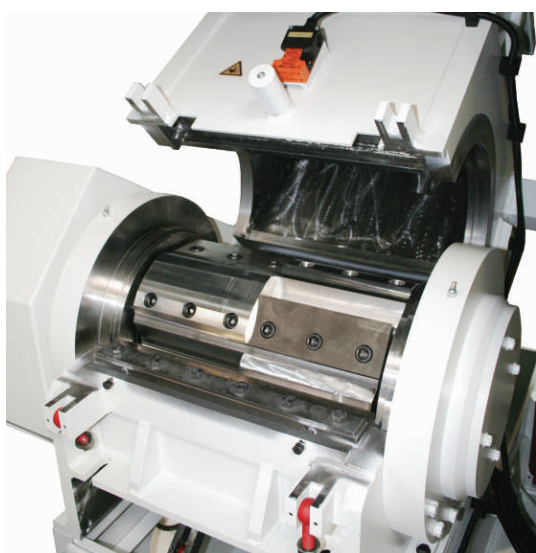
## series 300 BR Lump granulator

- \_ Working width 450 / 900 mm
- \_ Rotor diameter 300 mm
- \_ Motor output 22.5 - 45 kW
- \_ Number of rotor knives 6 - 12
- \_ Number of stator knives 2 - 4
- \_ Rotor speed 490 r.p.m.
- \_ Nominal weight 1.850 - 2.700 kg
- \_ Grinding output appr. 120-800 kg/h



**MG 450/300 BR**  
\_with soundproofed cabin

### Heavy lump granulator for hard applications *Single stage shredding of solid start-up lumps*



The *Hellweg* 300 BR series granulators enable gentle and thorough granulation of heavy start-up lumps, sprue cakes, thick-walled sheets or pipes, on account of the extremely high stability of the entire machine housing and through the high moment of gyration of the massive special U-CUT rotor that is made from one solid piece of metal. The geometry used for the blades enables a cutting principle that is based on a so-called "peeling cut", combined with limitation of cutting depth. This prevents the rotor blade from penetrating too deeply into the plastic lumps being shredded. The material is "peeled off" from the lumps so that blockage of the rotor is prevented and fast and energy-saving shredding is guaranteed.

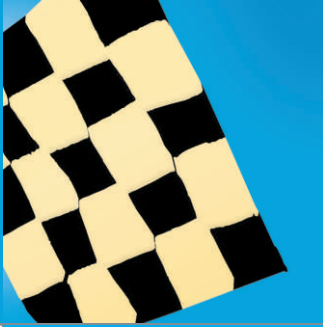


MG 450/300 BR detail special rotor

application examples

more >>

# Hellweg granulators hold *Pole-Position*



*Hellweg Maschinenbau* constructs machinery and equipment in its own production facilities, including especially setting up of systems for specific customer tasks, for customers in the plastics and recycling industries throughout the world. The production range covers machine-side mills, granulating mills, edge strip granulators, edge strip feeding equipment, film shredders, as well as extraction and dust removal plant including accessories.



**Hellweg**

[www.cutting-mills.com](http://www.cutting-mills.com)



## series 300 BR

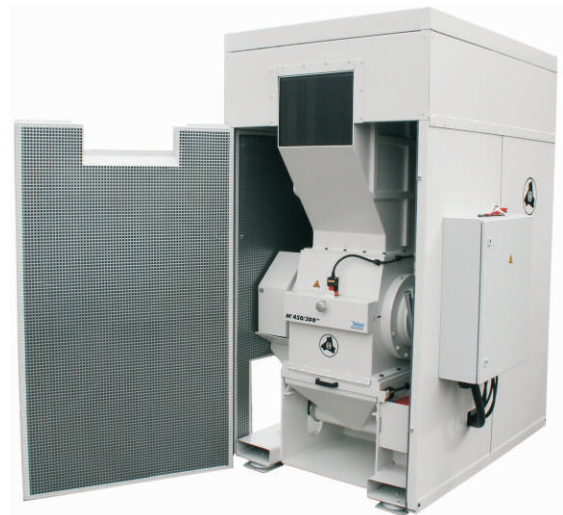
**Heavy lump granulator for hard applications**  
*Single stage shredding of solid start-up lumps*

*Hellweg* granulators are used by plastic processing companies to compound thermoplastic waste arising from production – especially engineering thermoplastics such as ABS, PA, PBT, PC, POM, but also PE and PP, involving dosing of ground material again with virgin material during running production, or addition of the material in another application at a later stage. The material to be handled falls into the cutting chamber of the *Hellweg* granulator via a guiding chute and is repeatedly shredded by cutting between rotating and fixed knives, until it passes an attached sieve as ground material. The sieve extends over the lower half of the grinding chamber and is exchangeable. This enables appropriate sieve perforation to be used for the particle size required.

The machines may be supplied optionally with soundproofed cabins and a noise absorbing feeding chute.

### Characteristics:

- \_ highly precise production, heavy welded housing
- \_ high throughput at low drive power
- \_ wear resistant versions for reinforced plastics
- \_ direct mounting of the knives on solid rotors produced from one solid piece of metal, no imbalance and eliminating need for rotor knife adjustment
- \_ structural design for easy, complete cleaning through absence of dead corners
- \_ high performance direct drive through transmission belts
- \_ special sieves guarantee constant grain sizes



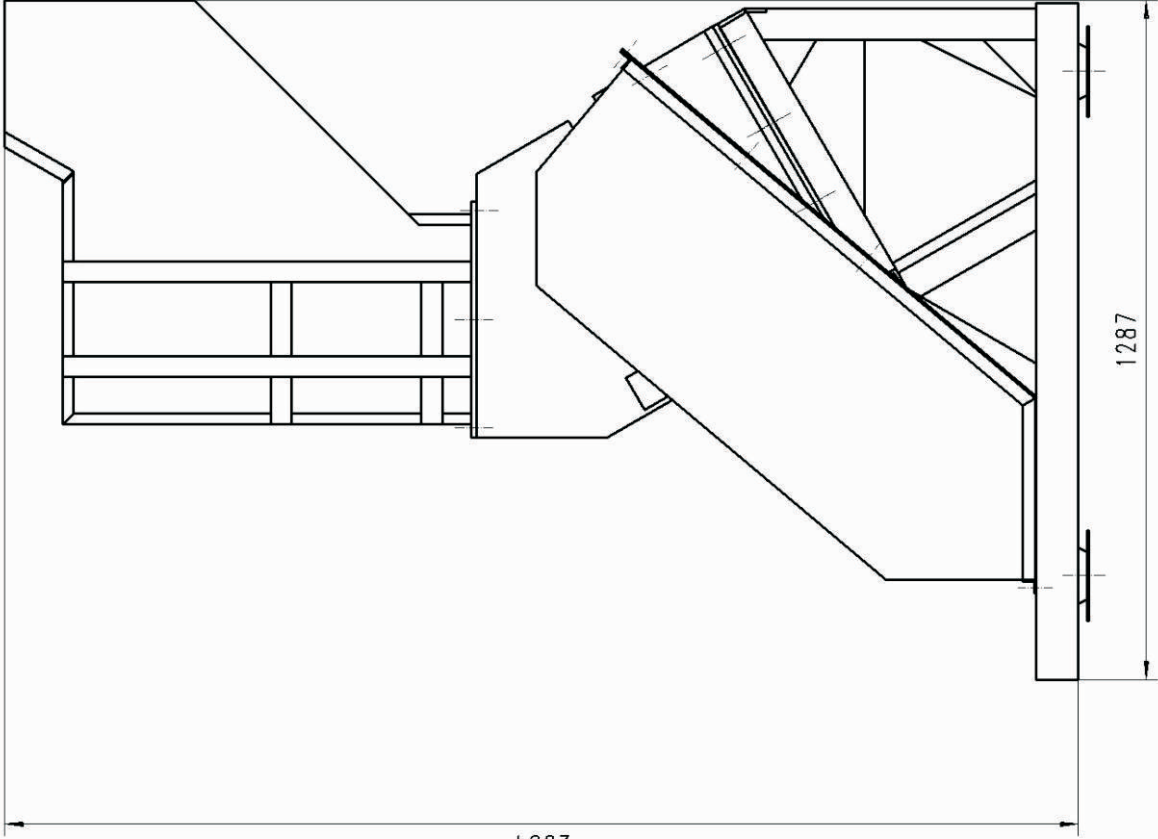
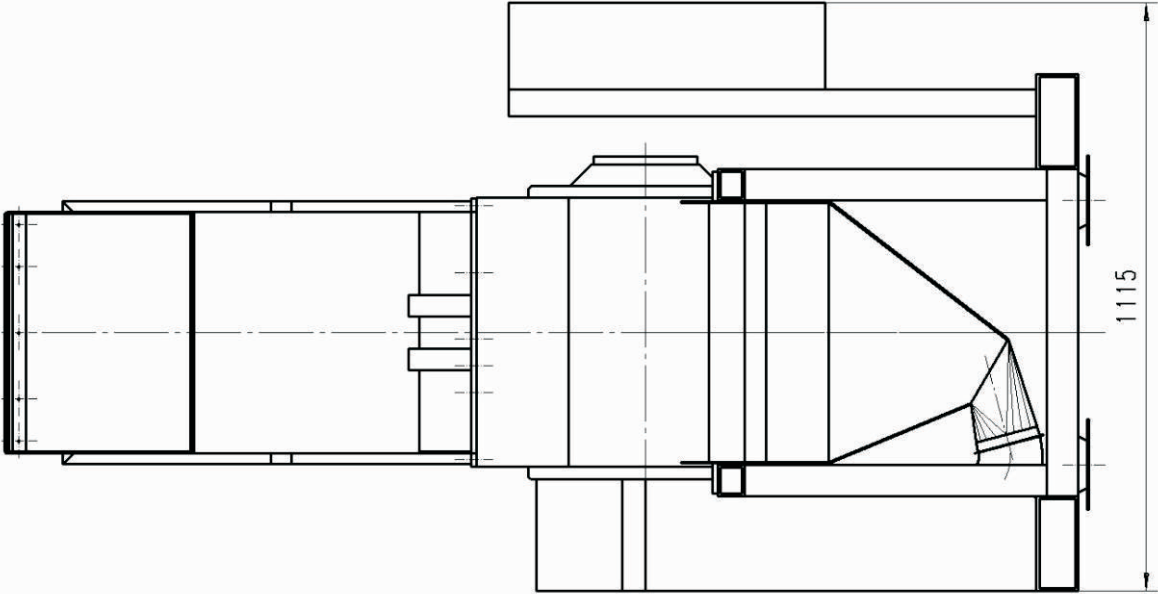
Model / Size	Working width	Rotor - Ø	Motor output	Number of rotor knives	Number of stator knives	Rotor speed	Nominal weight	Grinding output
MG 450/300 BR	450	300	22.5 - 30 kW	6	2	490 r.p.m.	appr. 1.850 kg	appr. 120-400 kg/h
MG 900/300 BR	900	300	30 - 45 kW	12	4	490 r.p.m.	appr. 2.700 kg	appr. 200-800 kg/h

Under reserve of technical changesments.

## Test it !

After a brief agreement, simply send us a sample of the material to be granulated. We will then select a suitable granulator for your application and carry out trial granulation. We will then receive the result returned in the form of granulate for your examination, without any obligation on your part.

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# MG 450/300 BR

- Working width  
- 450 mm
- Rotor diameter  
- 300 mm
- Motor output  
- 22.5-30 kW
- Number of rotor knives  
- 6
- Number of stator knives  
- 2
- Rotor speed  
- 490 r.p.m.
- Nominal weight  
- appr. 1.850 kg
- Grinding output  
- appr. 120-400 kg/h
- Dimensions (WxLxH)  
- 1.115x1.287x2.034 mm

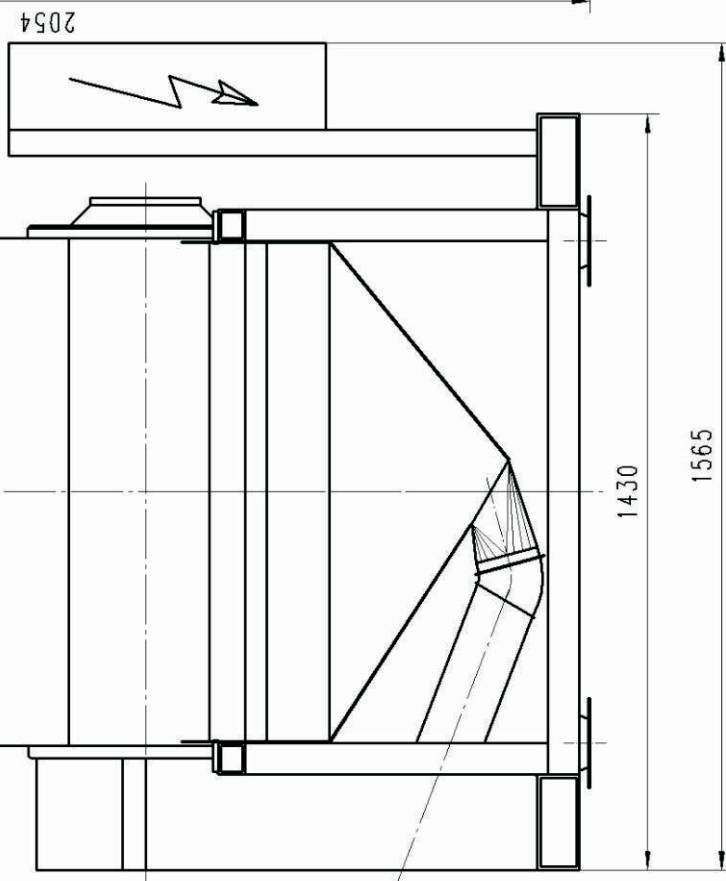
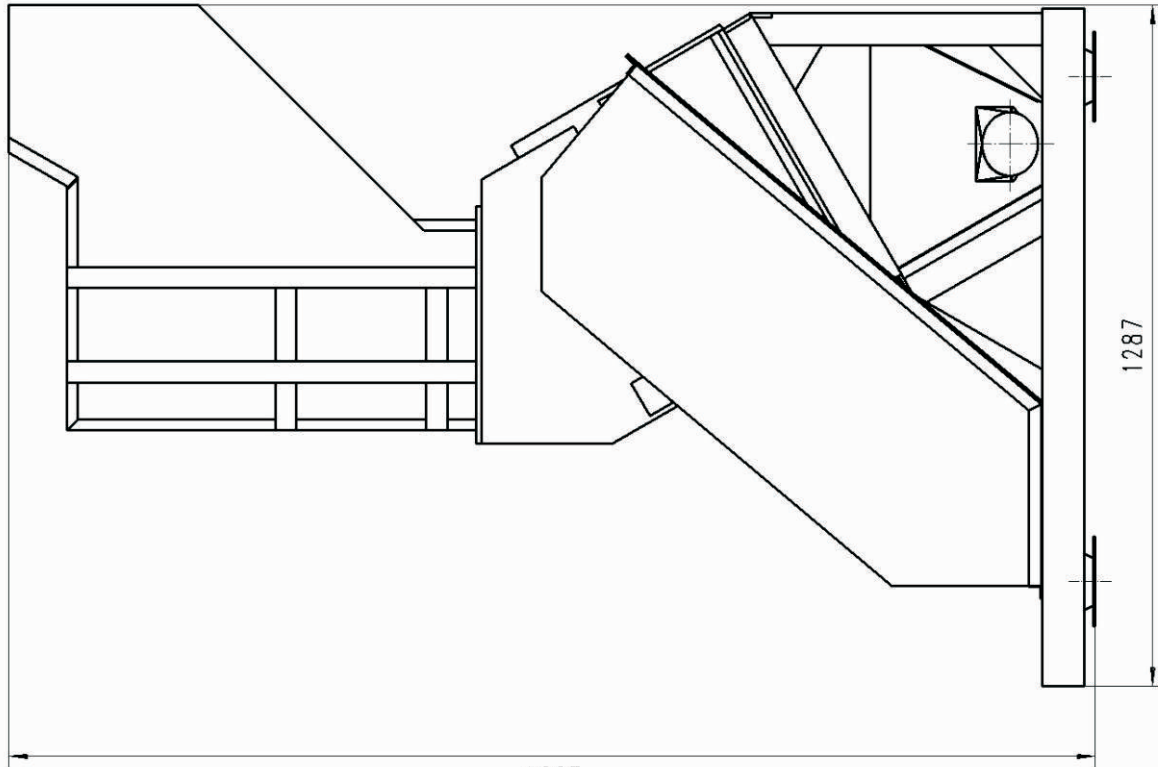
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	Datum	None	None	None	None	None	(Identnummer)	PfM Magbitter/M 450-300
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Hilweg-Maschinenbau  
GmbH & Co. KG  
Verstr. 16  
50859 Köln  
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Hilweg

# MG 900/300 BR

- Working width  
— **900 mm**
- Rotor diameter  
— **300 mm**
- Motor output  
— **30-45 kW**
- Number of rotor knives  
— **12**
- Number of stator knives  
— **4**
- Rotor speed  
— **490 r.p.m.**
- Nominal weight  
— **Appr. 2.700 kg**
- Grinding output  
— **Appr. 200-800 kg/h**
- Dimensions (WxLxH)  
— **1.565x1.287x2.034 mm**



Projekt			Maßstab: 1:10 (Dose name) (Ident. number) (Benennung)	Gewicht : PDF Mobilblätter M 900-100 PDF Mobilblätter M 900-300
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