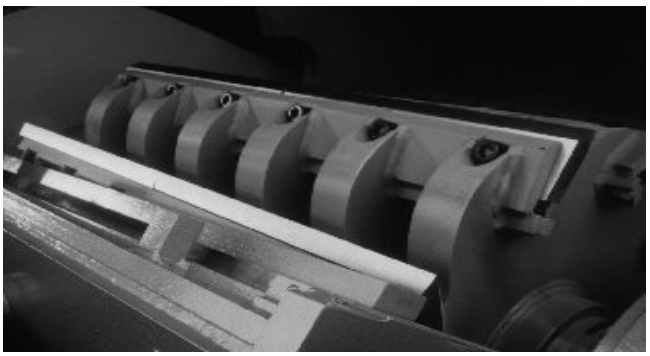
Granulator SM

NEUE HERBOLD Maschinen und Anlagenbau GmbH .com

The **NEUE HERBOLD** granulators in the **SM** series are built to last, operate at a minimal sound level and are manufactured for mid to heavy range applications.

The **SM** series has easy access characteristics for quick cleaning, maintenance purposes and when doing material or product changes.

The granulator series **SM** uses the true double cross cut knife configuration.



The slanted rotating knives work in conjunction with stationary opposed slanted bed knives mounted in the granulator housing.
This cutting geometry ensures a precise cutting gap, low energy consumption and reduced noise level.

● Economical and versatile

Film, containers, crates, automotive bumpers, thick walled pipes, injection moulded and thermoformed parts, purging rubber and other heavy applications.
Granulators in the **SM** series are also ideal for size reduction of middle and thick walled high volume plastic waste.
The granulators can be manufactured with various types of rotors depending on the specific application.

● Complete steel welded construction

NEUE HERBOLD granulators in the **SM** series are extremely heavy duty. This pertains not only to the grinding chamber but also the rotor bearings, knife supports, rotor shaft and knife mounts.
The completely welded housing is manufactured from special strength steel to guard against housing fracture and extraordinary stress.

● Outboard mounted rotor bearings

The rotor bearings are mounted completely outboard and separate from the granulator housing. The concept prevents any dust or material from entering the bearings which could lead to premature bearing failure. Furthermore this eliminates any temperature build-up in the bearing chamber due to grinding chamber temperature.

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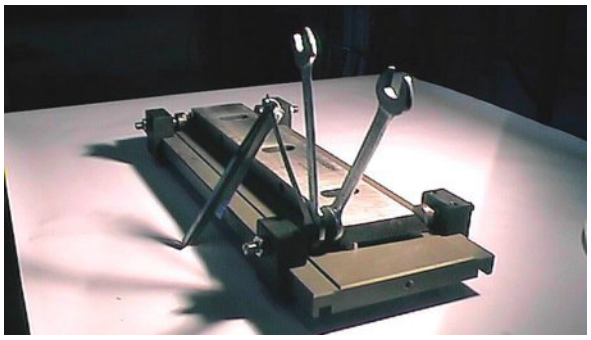
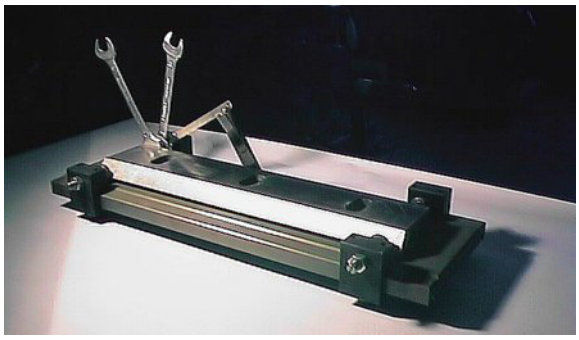
Knife adjustment procedure

The adjustment of the rotor and bed knives is performed completely outside the granulator utilizing an adjustment fixture. Adjustment bolts located on the rotor and in the housing are preset at the factory. Rotor and bed knives are adjusted utilizing the bolts provided on each knife and readjusted after the knives have been re-sharpened. The knife adjustment procedure is totally independent from the granulator operation.





Advantages:

The granulator “down time“ is considerably reduced due to the fact that the knives have been previously adjusted. Therefore it is only necessary to remove the old knives and install the new pre-adjusted knives. The timely method of knife adjustment inside the granulator has been completely eliminated. Generally speaking, knife installation is performed with a pneumatic wrench. The granulator is low profile and allows easy access through the “ clam shell “ opening characteristics. The granulator has easy access characteristics for quick cleaning, maintenance purposes and when doing material product changes. The granulator is supplied with a hand winch for ease in opening the upper housing or depending on the granulator size with hydraulic access.

Type	Feed opening height x width (mm)	Rotor (mm)	Motor (kW)	Weight (kg)	Throughput* (kg / h)
SM 300/300	500 x 290	300	5,5 - 37	1400	150 - 250
SM 300/500	500 x 490	300	11 - 37	1800	200 - 400
SM 300/800	500 x 790	300	11 - 37	2100	250 - 500
SM 450/600	600 x 580	450	37 - 90	3000	400 - 1200
SM 450/800	600 x 780	450	45 - 90	3800	500 - 1300
SM 450/1000	600 x 980	450	45 - 90	4800	600 - 1500
SM 450/1600	600 x 1560	450	45 - 90	6400	900 - 2000
SM 600/600	720 x 580	600	37 - 110	3000	600 - 1500
SM 600/800	720 x 780	600	45 - 110	4100	780 - 2000
SM 600/1000	720 x 980	600	45 - 110	5000	1000 - 2200
SM 800/1000	940 x 980	800	75 - 200	8000	1500 - 4000
SM 800/1200	940 x 1150	800	75 - 250	9000	2000 - 5000
SM 800/1600	940 x 1550	800	90 - 250	11000	2500 - 6000
SM 800/2000	940 x 1950	800	90 - 250	15000	3000 - 8000

* Information regarding the through-put rate, are based on experience gained with standard size reduction applications and dry materials like PVC profiles. Special applications or light weight materials may not achieve the mentioned minimum capacities. These are therefore no guaranteed features."

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