



Special Pipe Granulator

Type SMR

with automatic feeding device

For the size reduction of long and thick-walled pipes, start-up lumps, and bundles of profiles Herbold Meckesheim GmbH offers a special machine design: a heavy duty granulator equipped with a feed trough, the SMR series .

A perfect system for the safe and automatic size reduction

The pipes, bundles of profiles or plates are fed into the feed trough via a fork-lift or a crane. If the pipe granulator is supplied with a storage trough, the whole feeding process can be automated. During the feeding process the grinding chamber of the granulator is closed towards the feed trough by means of a gate valve. No material can fly out of the machine at any stage during the grinding process. As soon as the feeding trough is full, it is hydraulically closed. A feeding ram pushes the pipes or plates into the grinding chamber. The rotor grips the material and size-reduces it. An accordingly designed suction unit transports the material e.g. into silos. An effective sound insulation allows in addition to install the machine nearby the extrusion line.



SMR 120/80 with open feed trough

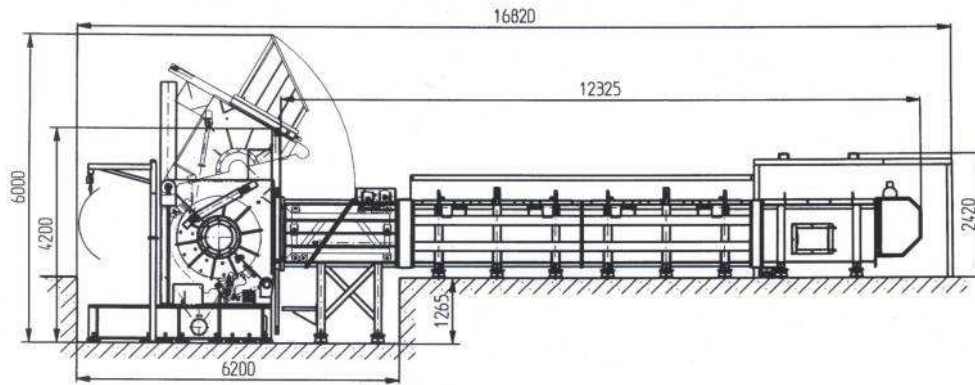
Pipes up to a diameter of 1000 mm can be size-reduced in one working cycle

Due to their tenacity and hardness, pipes of PP, MDPE, HDPE etc. make particular demands on size reduction. Also, this waste is a valuable raw material. Pre-crushing is expensive and involves high risks. On Herbold pipe granulators of the SMR series it is possible to grind 6000 mm long pipes with a diameter up to 1000 mm in one working cycle without cutting them into sections before.

Herbold Pipe Granulator SMR

Type	Rotor Ø x Width mm	max. pipe Ø mm	Drive kW	Weight kg	Capacity kg/h
SMR 45/60	450 x 580	225	45 - 75	4400	400 - 1000
SMR 60/60	600 x 580	315	75 - 90	8400	500 - 1500
SMR 80/60	800 x 580	450	90 - 110	14000	800 - 2000
SMR 120/80	1200 x 780	710	110 - 200	24000	1000 - 3500
SMR 160/120	1600 x 1200	1000	160 - 315	44000	1500 - 5000

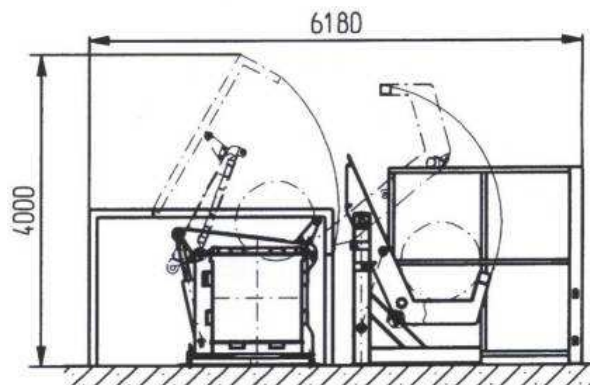
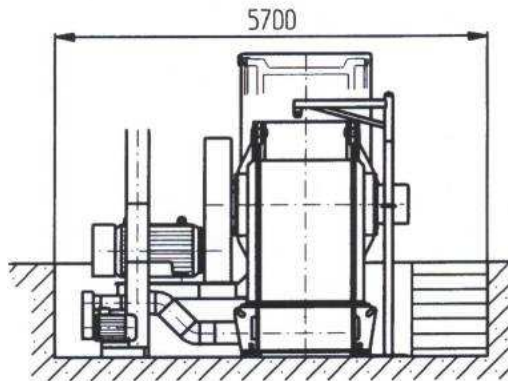
Specifications are not binding and subject to change without notice.



SMR 160/120 installed in a pit with feed trough at ground level

The SMR series, a well thought-out size reduction system

- all parts are of sturdy welded steel construction, designed for heavy duty application
- the feed trough is hydraulically closed, with gate valve to the cutting chamber and integrated feed device
- for pipes with a smaller diameter the granulator can be equipped with a roller feeder instead of a feed trough
- depending on the size of the pipe granulator material forward feed can be done by a special chain or a cable pull
- the housing of the granulator is divided at an inclined angle, which gives optimum access to the cutting chamber for ease of cleaning and maintenance
- quick screen change without tools via the maintenance door in the lower housing section at the back of the granulator
- closed and half open rotors are available depending on the properties of the valuable materials
- outboard mounted pillow block bearings of steel, completely separated from the cutting chamber
- knife adjustment outside of the granulator in a fixture



Storage trough with hydraulic tipping device to supply the pipe granulator



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