

**Müller Maschinen** *100% Made in Germany*



# GRANULATORS



***a cut above***

# GRANULATOR SM 152



The model **SM 152** have proven their worth in more than 5000 installations in the plastics industry.

The wide range of options available for the **SM 152** serie of granulators, which include various cutting rotors, overfill protection devices or the rotor setting devices, in-feed hoppers and regrind box designs as well as the optional patented auger feed, means that they are suitable for many applications.

The granulators are based on standard modules to meet our customers' individual needs. Whenever our standard designs are not suitable, Müller can design special units to satisfy the requirements posed by the specific application.

The overdimensioned bearing arrangement of the rotor shaft guarantees extreme stability. Consequently, spaces from 0.1 to 0.2 mm can be set between the rotor and bed knives. This and the low rotational speed of the rotor ensure excellent quality granulate, with consistent size and without dust or fines, making it ideal for vacuum conveying and immediate reprocessing.

The cutting rotor can be easily replaced with a new or newly sharpened rotor within minutes. A special rotor setting device is provided so that the rotor knives can be adjusted outside the granulator without interrupting the granulating process.



| Technical Data      |       | SM 152    |
|---------------------|-------|-----------|
| Cutting length      | mm    | 150       |
| Motor               | kW    | 2,2       |
| Rotor speed         | Upm   | 200       |
| Rotor blades        | units | 9         |
| Stator blades       | units | 2         |
| Sieve (standard d5) | mm    | 3,4,5,6,8 |
| Power               | kg/h  | up to 25  |

# GRANULATOR SM 202/252



Standard hopper



with hopper for robot feeding

The SM 202 granulator meets all the requirements of today's processors. It permits grinding of bulky sprues and runners – regardless of whether they are hard or soft, or made of engineering materials with glass-fiber reinforcements or metal or ceramic fillers. The modern design utilizes a low rotor speed about 100 rpm. When combined with a rugged and space-saving construction, trouble-free continuous operation under the most adverse conditions is assured. At the same time, the SM 202 is quickly and easily cleaned and has an extremely favourable cost-performance ratio.

As with all Müller granulators, a carefully thought out modular design permits economical adaptation to the individual needs of each customer, even after purchase.

As a result, this state-of-the-art granulator can be adapted without difficulty to the varying requirements of every plastics processing plant.



By means of the rotor setting device the rotor knives can be adjusted outside the granulator without interrupting the granulating process in units with an exchangeable rotor (optional).



Auger feed with aprated control

The **SM 252** granulator, which features a cutting rotor supported by bearings on both ends, combines high performance and high material throughput when operating continuously with the advantages offered by the smaller models.

The standard granulator has a fixed rotor, but it can be supplied with an exchangeable rotor (optional),



tube hopper

| Technical Data      |       | SM 202    | SM 252    |
|---------------------|-------|-----------|-----------|
| Cutting length      | mm    | 200       | 250       |
| Motor               | kW    | 3/5       | 3/5       |
| Rotor speed         | Upm   | 100       | 100       |
| Rotor blades        | units | 16        | 20        |
| Stator blades       | units | 2         | 2         |
| Sieve (standard d5) | mm    | 3,4,5,6,8 | 3,4,5,6,8 |
| Power               | kg/h  | up to 40  | up to 50  |

# GRANULATORS



## SM200/210 SM400/410 SM600/610



SM 200

The **SM 200 and SM 400** granulators were the first low-speed (100 rpm) machines available for use with plastics processors. When introduced to the industry in 1979, these machines attracted the interest of processors and the technical press. Constant improvements and new features have kept Müller in the forefront of granulating technology. Today, these machines, together with the larger **SM 600** granulator, are known for their performance, reliability, quality of construction and general ruggedness. Müller granulators can be used universally, being suitable both for use as auxiliary granulators beside presses for sprues and rejects or as small central granulators.

The **SM 210, SM 410 and SM 610** granulator models were developed on the basis of the proven **SM 200, SM 400 and SM 600** granulators. The large opening of the in-feed hopper makes these machines particularly suitable for bulky items and feeding by robots. In addition, the integral regrind container has been designed to ensure consistent vacuum conveying of even the most problematic granulates.

| Technical Data      |      | SM 200/210 | SM 400/410 | SM 600/610 |
|---------------------|------|------------|------------|------------|
| Cutting length      | mm   | 200        | 400        | 600        |
| Motor               | kW   | 3/5        | 3/5        | 3/5        |
| Rotor speed         | Upm  | 100        | 100        | 100        |
| Rotor blades        | Stk. | 12         | 24         | 24         |
| Stator blades       | Stk. | 2          | 2          | 2          |
| Sieve (standard d5) | mm   | 3,4,5,6,8  | 3,4,5,6,8  | 3,4,5,6,8  |
| Power               | kg/h | 35         | 60         | 100        |



SM 210



SM 410



SM 610

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