

The Dynamic Series

The universal granulator for massive parts and bulky sprues

Advantages

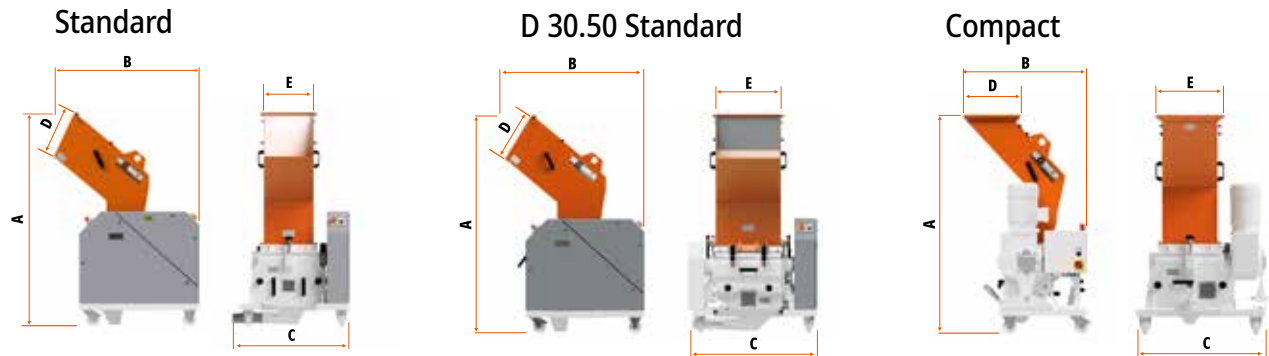


- > Its modular design means it can be used universally for a wide variety of applications and requirements
- > Suitable for all standard plastics, from soft to hard and reinforced or not reinforced
- > Highly robust design – for grinding extremely massive parts
- > A wealth of options such as various hoppers, stands, and control unit types facilitate optimal adaptation to your unique needs
- > Comes standard with hardened cutting chamber components protecting against wear
- > Optionally available with integrated sound enclosure
- > Easy and simple to open and clean without any tools
- > Good accessibility allows for fast material changes and easy servicing

Technical Data

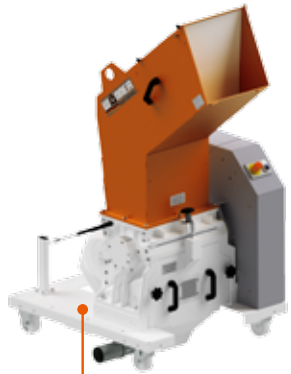


	D 25.25	D 25.38	D 25.50	D 30.50	D 25.38 comp	D 25.50 comp
Cutting chamber opening	250 x 255 mm ²	250 x 385 mm ²	250 x 505 mm ²	300 x 500 mm ²	250 x 385 mm ²	250 x 505 mm ²
Rotor diameter	180 mm	180 mm	180 mm	250 mm	180 mm	180 mm
Rotor knives	12	18	24	6	18	24
Stator knives	2	2	2	2	2	2
Motor power	4 / 5,5 / 7,5 kW	5,5 / 7,5 kW	5,5 / 7,5 kW	7,5 kW	4 kW	4 kW
Weight (Standard)	360 kg	410 kg	480 kg	570 kg	370 kg	430 kg



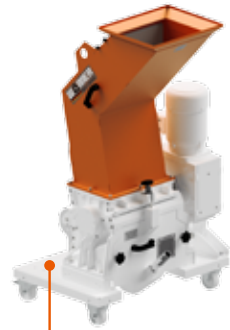
Dimensions	D 25.25	D 25.38	D 25.50	D 30.50	D 25.38 comp	D 25.50 comp
A	1655	1655	1655	1700	1535	1535
B	1120	1120	1120	1085	860	865
C	725	850	970	1005	920	1045
D	360	360	360	390	395	395
E	255	380	500	500	475	595

(All dimensions in mm, rounded, subject to technical modifications)



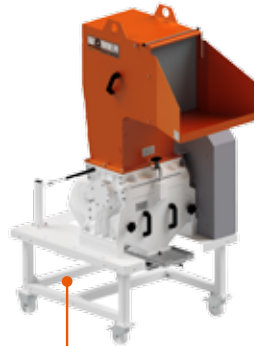
D 25.38 Standard

The D-Series with belt drive is especially well-suited for massive parts and larger throughputs. Depending on the drive, material being processed, and selected screen size, the machine is capable of achieving throughputs of up to 180 kg/h. It comes standard with an ND 80 mm suction pipe, adapters and ND 40 and 50 mm suction pipes are also available.



D 25.38 Compact

The low rotor speed D-Series is developed as a beside-the-machine granulator for especially large sprues. Using a gear motor makes it possible to reduce the rotor speed to 170 rpm - while at the same time maintaining a small footprint compared to machines with belt drives. ND 40 mm suction pipes come standard with the granulator.



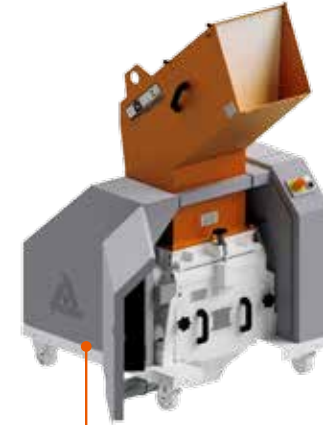
D 25.38 High stand with manual feed hopper

This model is designed as a compact central granulator. It facilitates the collection of ground stock directly in a container or sack placed under the granulator. Depending on the drive, material being processed, and selected screen size, the machine is capable of achieving throughputs of up to 180 kg/h. Hardened wear-protected inserts are already integrated into the cutting chambers of machines in the series. Even abrasive materials can be seamlessly processed this way.



D 25.38 Integrated dedusting system

If the regrind material needs to be virtually free of dust, our models with integrated dedusting system are the perfect fit. Especially when it comes to the processing of brittle or fibreglass-reinforced materials, it is often nearly impossible to achieve regrind material without a certain amount of fine dust. The dust extractor box integrated below the granulator reliably takes out these fine particles and separates them out into a separate bin. High-quality ground stock remains, ready to be processed further right away.



D 25.38 Integrated sound enclosure

Most D-series granulators can be equipped with an integrated sound insulating enclosure, covering the cutting chamber, to meet heightened noise level requirements. A full enclosure (without image) is also available. This further reduces the noise level. Depending on the wall thickness of the full enclosure, it is possible to meet almost any requirement.



D 30.50 Standard

The extra large rotor diameter (instead of 180, full 250 mm), this D-series design is outstanding for processing extremely bulky sprues and large, thin-walled blow-moulded objects. Its large rotor diameter ensures rapid capture and secure granulating of light and large parts. The granulator is equipped with a 7.5 kW motor and can be equipped with an additional fly wheel.



D 25.50 Special hopper for long parts

When fed into the machine by a conveyor belt, long parts require a lot of space to tip into the chute.

With this type of hopper, for example, blow-moulded parts with lengths of up to 1 m can be reliably fed into the granulator. Adapted gas pressure springs help simplify opening and closing.



D 25.50 Roll feed system and dancer control

Our models with roll feed system are especially well-suited for processing edge trim and film strips. During this process, the roller infeed is adjusted using two-step control and dancer system. As an alternative, analogue inputs are available for superordinate process signals. The roller infeed system is also available in a design for feeding in hoses and flexible pipes.



D 25.50 Special hopper for plates

If, in addition to parts and cut-offs, longer plates also need to be processed, an additional feed chute can be installed on the back of the granulator. This makes it unnecessary to saw and shorten longer plates and profiles before the actual grinding process.



D 25.50 With blower, cyclone and dedusting system

D-series granulators make it easy to build central granulating stations consisting of material transport blowers, cyclone separators, and – if desired – with additional dedusting system or metal separation. Such granulating stations, when processing fibreglass-reinforced sprues and parts for example, can achieve over a ton of throughput per shift - with equally outstanding grinding quality of course. Surface hardening can be optionally performed for the blower when fibreglass materials

will be conveyed. The adjustable height cyclone is equipped with two large hose filters and is dimensioned so that the conveying air does a very good job of separating out from the ground stock, which helps maintain a clean environment.

Various different cyclone frames are available to match the height and shape of the container in which the regrind material is collected.



D 25.38 Special hopper for profiles

This special hopper is especially well-suited for processing long profiles in the granulator. The profiles are fed into the machine from the side and then reliably processed by the granulator. Astoundingly massive and intricate profiles can thus be processed in a relatively small granulator. Please keep in mind that the long profiles may project noise into the environment accordingly.