### Make the cut

with Wanner granulators











### Superior granulators – made in Germany



Every Wanner granulator is the product of many years of expertise and practical solutions in plastics recycling. Whether they're used to grind sprues and defective parts, blow-moulded products or extruded profiles – granulators from Wanner are sure to meet your requirements reliably over the long term while producing outstanding granulating results – even under the harshest conditions.







Wanner Technik GmbH, Wertheim-Reicholzheim...



...the grinding technology experts!

#### The right solution for every application

Used as beside-press granulator or centralised granulator, as granulator for edge-trim or as granulator integrated into an injection moulding machine, every one of our plastic granulators developed and produced in Germany contains the experience gained in many years of activity in the field of plastic recycling.

Our focus is, to make our machines as easy-to-use and reliable as possible.

The source of our expertise is our effort to see everything through the eyes of our customers and to find innovative and simple solutions for special problems - from practical expertise to practical use. If you should need more information about our granulators or with regard to size reduction of plastic scrap, please do not hesitate to contact us.

We look forward to **your specific request:** +49-9342-3088-0 Or simply contact us by mail at

info@wanner-technik.de

### The **B**aby Series

The granulator for small sprues and lab applications







- Optimised cutting geometry yields high-quality ground stock
- Low rotor rotation speed and solid construction make it very quiet
- > Compact design takes up minimal space
- > Extremely easy to open and clean ideal for applications requiring frequent material changes and for lab applications
- > Low energy usage means low operation costs

#### **Technical Data**



	B 08.10
Cutting chamber opening	80 x 100 mm <sup>2</sup>
Rotor diameter	90 mm
Rotor knives	9
Stator knives	2
Motor power	0,75 kW
Weight	40 kg

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



#### < B 08.10 Lab design

For applications in the lab, we offer the baby granulator with a closed drawer where the ground stock produced is collected.

The drawer can be easily taken out without opening the cutting chamber.

For cleaning purposes, the top part of the cutting chamber together with its hopper can be easily removed, thus exposing the rotor and cutting chamber completely.

#### **Dimensions**



B 08.10 Granulator completely open \Lambda







#### < B 08.10 On high stand

Our baby granulator is also available in various designs, e.g. with a feed hopper for robot feeding (no illustration), on a high stand (see image) or with various special feed hoppers. This makes it easy to adapt our smallest granulator to your needs. The Baby Series is the perfect granulator to handle small sprues and small throughputs.

### The **C**ompact Series

The universal beside-the-press granulator with a wealth of advantages







- > Can be used universally for a wide variety of applications and materials
- > A wealth of options such as various hoppers, trolley stands and control unit types facilitate optimal adaptation to your unique needs
- > Very compact construction made possible by a robust gear drive taking up very little space
- > Low rotor rotation speed and construction designed to minimize structure-borne noise make it very quiet
- > Easy and simple to open and clean in seconds. Good accessibility allows for fast material changes and easy servicing
- > The cutting geometry yields high-quality ground material and is suitable for all plastics, from soft to hard and reinforced or not reinforced
- > Low energy consumption innovative energysaving control unit **green line** optionally available
- > Maximum performance for your money

#### **Technical Data**

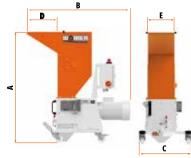


	C 13.20	C 17.26	C 17.31
Cutting chamber opening	130 x 200 mm <sup>2</sup>	170 x 260 mm <sup>2</sup>	170 x 320 mm <sup>2</sup>
Rotor diameter	140 mm	170 mm	220 mm
Rotor knives	9	12	12
Stator knives	2	2	2
Motor power	2,2 kW	3 kW / 4 kW	4 kW
Weight	125 kg	155 kg	165 kg
	-		



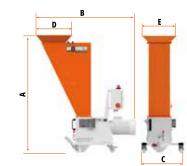
< The green line control unit is available in all Cseries models

#### Standard

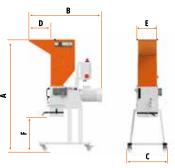


Dimensions							
C 13.20	C 17.26	C 17.31					
890	1090	1170					
755	1020	980					
415	520	520					
245	290	290					
205	255	305					
	890 755 415 245	C 13.20         C 17.26           890         1090           755         1020           415         520           245         290					

### Robot infeed hopper



### High stand



	ווווט	CHISIO	113									
/		C 13.20	C 17.26	C 17.31		C 13.20	C 17.26	C 17.31		C 13.20	C 17.26	C 17.31
	Α	890	1090	1170	Α	1390	1430	1475	Α	1380	1560	1640
	В	755	1020	980	В	1035	1205	1210	В	800	1020	980
	С	415	520	520	С	415	520	520	С	560	560	660
	D	245	290	290	D	415	430	430	D	245	290	290
	E	205	255	305	E	375	415	445	E	205	255	305
									F	490	485	485





#### 1 – 2 – 3 – Open!

First pull out the suction box to the front to open the granulator.



Open the cutting chamber unlocking the quick release clamp and push open toward the front. Supported by a massive hinge, the grinding chamber and infeed hopper can be swivelled all the way to the side.

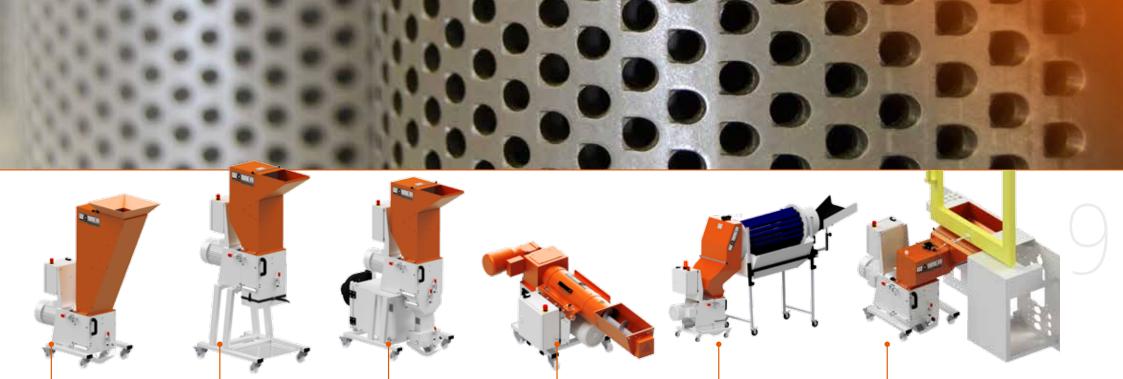


Rotor and screen cradle are fully accessible and freely visible. The screen can be removed easily with one hand. Undercuts, where material has the potential to collect, are kept to a minimum. Cleaning the granulator is quick and easy.



C 17.26 Standard

The C-series granulators are ideal beside-the-machine granulators. Easy handling, easy cleaning, small footprint, and great design variety guarantee that you will find the optimal solution for every application. The model shown here with a small standard hopper is especially well-suited to conveyor belt feeding. A suction pipe for hose ND40 comes standard with all C-series granulators.



# C 17.26 Robot feed hopper

The models of the C Series with robot feed hopper are ideal for feeding with sprue picker or robot. A large infeed opening and extra sprue collecting funnel ensure that freefalling sprues are fed into the grinding chamber reliably. Sandwiche sheets used for all hoppers offer outstanding noise reduction. The hopper can be installed on the granulator rotated 180°.

#### C 17.26 Highstand

We also have solutions well-suited for applications where the regrind material is not automatically fed back into the injection process. With granulators mounted on high stand, the ground stock can simply be collected in a sack under the granulator that can later be removed and tied off. The gear drive and cutting chamber are designed to be tough and are capable of handling larger quantities fed in all at once.

# C 17.26 Integrated dedusting unit

If the regrind material needs to be virtualy free of dust, our model with integrated dedusting system is the perfect fit. Especially when it comes to the granulating of very brittle glas-filled materials, it is often nearly impossible to achieve ground stock without a certain amount of fine dust. The dust extraction box integrated below the granulator reliably takes out these fine particles and separates them out into another bin. High-quality ground stock remains, ready to be processed further right away.

# C 17.26 With auger chute

Our solution for 3-plate tools when the sprue falls out of the tool directly into the auger chute. The large dimensions of the infeed auger ensure that large sprues are processed reliably. For safety, the granulator is delivered with an additional limit switch that must be mounted on the safety door of the injection moulding machine or with an interface to be connected to the control unit circuit of the injection moulding machine.

# C 13.20 Special chute for separation devices

Our solution for separation applications, during which small parts are collected below the separation drum while the larger sprue pieces are moved through the drum to the granulator. Also good for use: The granulator is positioned under the separation drum and the parts are collected at the drum output(no image). Individualised customer solutions are our strength.

# C 17.26 Special hopper for Arburg injection moulding machines

For most standard injection moulding machine types with integral sprue pickers, we have a solution that ensures the sprue removed can be fed reliably to our granulators. This image shows an example of a solution for a feed-hopper suitable for an Arburg injection moulding machine. Identical solutions are available for Engel and Sumitomo Demag injection moulding machines as well. Solutions that are sure to work.

### The **X**tra Series

The specialist for brittle materials







- > Very low noise due to the very low rotation speed
- Uniformly shaped and almost dust-free ground stock
- > Small footprint thanks to direct drive with gear motor
- > Various hoppers and stand types make it easy to adapt to your needs
- > Low energy consumption made possible by gear motor with strong torque
- > Innovative **green line** energy-saving control unit available as an option

#### **Technical Data**

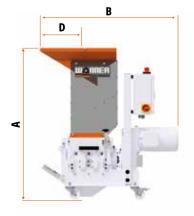


	Xtra 1	Xtra 2	Xtra 3
Cutting chamber opening	260 x 170 mm <sup>2</sup>	260 x 260 mm <sup>2</sup>	260 x 350 mm <sup>2</sup>
Rotor blade rollers	2	3	4
Primary crusher	1	2	3
Rotor speed	32 rpm	32 rpm	32 rpm
Cutting modul	4 - 5 mm	4 - 5 mm	4 - 5 mm
Motor power	1,1 kW	1,5 kW	2,2 kW
Weight	200 kg	220 kg	250 kg



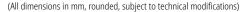
# < Xtra 2 Robot feed hopper

The models of the Xtra Series with robot feed hopper are ideal for feeding with sprue picker or robot. A large inlet opening of the hopper ensures that freefalling sprue is fed into the grinding chamber reliably.





Dimension	S Xtra 1	Xtra 2	Xtra 3
Α	945	1105	1200
В	900	985	1125
С	425	425	425
D	200	290	290
E	330	400	400





#### < Xtra 2 High stand

We have solutions well-suited for applications where the ground stock is not automatically fed back into the injection process.

With Xtra-Series machines mounted on an high stand, the regrind material can simply be collected in a sack under the granulator that can later be removed and tied off.

### The **D**ynamic Series

The universal granulator for massive parts and bulky sprues







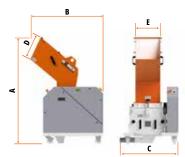
- > Its modular design means it can be used universally for a wide variety of applications and requirements
- > Suitable for all standard plastics, from soft to hard and reinforced or not reinforced
- Highly robust design for grinding extremely massive parts
- > A wealth of options such as various hoppers, 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 inclosure
- > Easy and simple to open and clean without any tools
- > Good accessibility allows for fast material changes and easy servicing

#### **Technical Data**

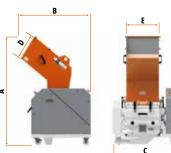


	D 25.25	D 25.38	D 25.50	D 30.50	D 25.38 comp	D 25.50 comp
Cutting chamber opening	250 x 255 mm <sup>2</sup>	250 x 385 mm <sup>2</sup>	250 x 505 mm <sup>2</sup>	300 x 500 mm <sup>2</sup>	250 x 385 mm <sup>2</sup>	250 x 505 mm <sup>2</sup>
Rotor diameter	180 mm	180 mm	180 mm	250 mm	180 mm	180 mm
Rotor 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

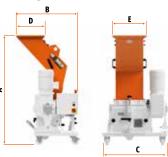
#### Standard



#### D 30.50 Standard



#### Compact



Dimensions	D 25.25	D 25.38	D 25.50	D 30.50	D 25.38 comp	D 25.50 comp
Α	1655	1655	1655	1700	1535	1535
В	1120	1120	1120	1085	860	865
С	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)

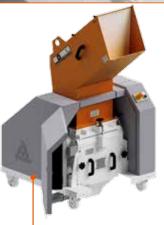














#### D 25.38 Standard

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 wearprotected 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 virtualy 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.

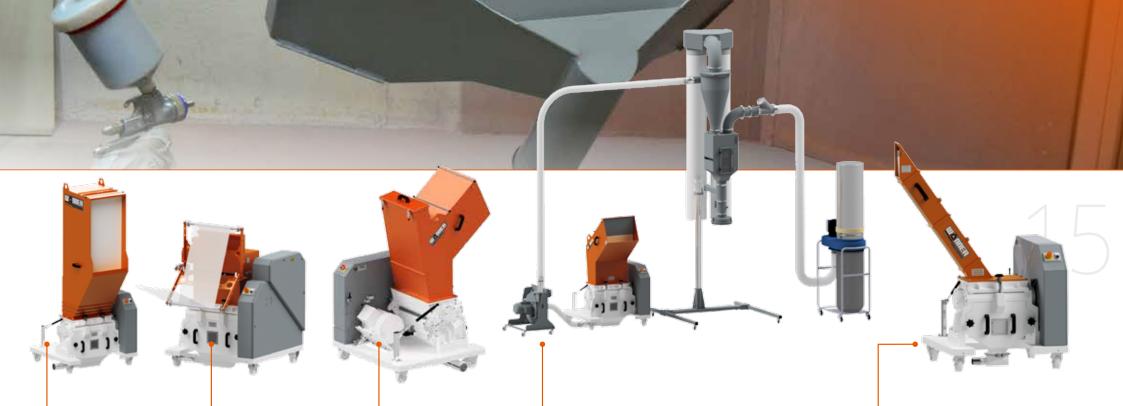
# D 25.38 Integrated sound enclosure

Most D-series granulators can be equipped with an integrated sound insulating enclosure, covering the cutting chamber, to meet heighted 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, thinwalled 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 cuttoffs, 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 fibreglassreinforced 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.

### The **E**nergy Series

The central granulator for large-volume parts and high throughput





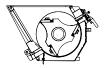


- > Sound enclosure integrated as standard into machines of the series
- > High regrind material quality thanks to Chevroncutting design
- > Aggressive rotor design for reliable pull-in action of very large parts, optional super-tangential grinding chamber available
- > Five-edged rotor available for extra high throughputs
- > Optional blower can be integrated into the sound enclosure
- > Cutting chamber decoupled from the machine frame and sound insulating booth for effective insulation of the structure-borne noise
- > Extensive accessories available, including various blowers, cyclones, rotative wheel gates, dust removal systems, conveyor belts, and much more

#### **Technical Data**



1450 kg



Weight (Standard)

< Three-edged rotor with standard grinding

1000 kg

 ${\color{red} \textbf{chamber}} - \text{the universal}$ 

solution for parts and sprues



1300 kg

Five-edged rotor
with standard grinding
chamber – for larger

throughputs

1850 kg



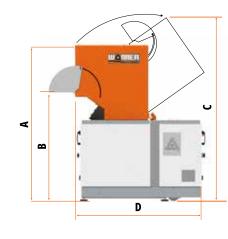
2200 kg

Three-edged rotor with super-tangential cutting chamber – for processing especially voluminous parts

#### **Dimensions**

	E 30.50	E 35.40	E 35.60	E 45.50	E 45.80
Α	1915	1960	1960	2100	2100
В	1405	1450	1450	1505	1505
C	2250	2320	2320	2520	2520
D	1625	1760	1760	1745	1745
E	1000	960	1260	1100	1540
F	505	430	630	510	810
G	430	430	430	545	545

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









#### E 35.60 Special hoppers with side feed opening

For special applications, we can adapt our machines to fit our customers' needs perfectly. if for example longer profile sections need to be processed, we do make special hoppers with additional feed hopper inlet on the side.

Depending on the customer's requirements, we can adapt our hoppers in any way in which material to be ground in the machine needs to be fed in. Our granulators can be well-adapted to your specific requirements for part size and throughput by using different

rotors, such as the three-edged or five-edged versions or using grinding chambers with infeed areas of different shapes. Other options, such as additional wear protection in the cutting chamber or on the blower, as well as a number of control unit options enable us to meet even the most exacting demands. No matter if it's blow-moulded parts, injection-moulded parts, or extrusion profiles – we are sure to have a solution for your granulating problem.

#### The Energy Series – easily accessible

The granulators in our Energy Series come standard with an integrated sound enclosure. A door that opens wide and the gas spring-supported, wideopening feed hopper make accessing the cutting chamber for cleaning and service work quick and easy. The screen cradle can be opened without tools and the screen can also be easily removed.

Some of our customers in Swabia even call our granulators "the fast cleaning granulators" instead to Wanner granulators, because of their easy accessibility and user-friendliness. We see this name both as a compliment and a duty.

#### Everything integrated and easily accessible

Granulators from our Energy Series are available with an optional blower integrate into the standard sound enclosure that is easily accessible through a large back door. Incorporating the blower into the sound enclosure of the granulator sustainably dampens the noise generated. In order to save space, the blower is installed at the back in the sound enclosure and accessible through a wide opening door. The robustly designed blower itself is also hinged for easy opening.

Depending on customer requirements, the blower as well as the pipe bends can be provided in a wear-protected design, so that even fibreglass-reinforced materials can be reliably processed.



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Our granulators in action at

You Tube

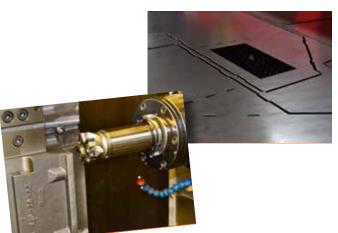
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#### What drives us

Wanner-Technik GmbH has worked in the field of plastics size-reduction since the start of the 1980s.

It was during this time that we put our capabilities to the test, delivery some 10,000 granulators. Our client base consists of companies of all different sizes, from small companies through to the most well-known plastics processors in the industry.

We are driven by our mission to provide customers with the highest-quality granulating machines, while also offering an excellent price/performance ratio.

The technology used for grinding machines intrigues us just as much now as it did on Day 1. This predilection for technical expertise shows

in our manufacturing.
For a company of our size,
we operate with an extraordinary depth of production
that allows us to ensure our
high standards of quality
are met while also enjoying
an unusually high degree of
flexibility.

In our high-precision CNC centres, we product standard parts as well as special parts required for our customers' custom solutions.

Our powerful sheet metal production provides the fexibility to manufacture special hopper configurations within a short period of time. Our depth of production also gives us extensive expertise in the optimal implementation of design solutions in real

products. A capable team of highly qualified professionals is here to ensure that the machines we deliver meet the highest standards for quality.

We would like to invite you to see for yourself at our factory!