

# The Compact Series

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



Model C 17.26f with robot feed hopper >

## Our best-selling beside-the-machine granulator.

Three cutting chamber sizes with three different power levels facilitate seamless processing of sprue sizes and plastics types typical for injection moulding. Its innovative machine concept allows users to effortlessly clean the cutting chamber by swiveling the hopper and the upper part of the cutting chamber to the side, giving fast, easy access. This makes the work just a bit easier for users, thus enhancing productivity.

Special cutting geometry granulates sprues and rejected parts into high-quality ground stock.

The modular design, compact construction with a sturdy gear motor drive and the variety of options available make it very easy to adapt the machine to any customer requirement.

An optional energy-efficient green line and IQ-Line control unit dramatically reduces the energy consumed during operation for typical applications.



## 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 energy-saving control unit **Green Line** or **IQ** optionally available
- > Maximum performance for your money

## Technical Data



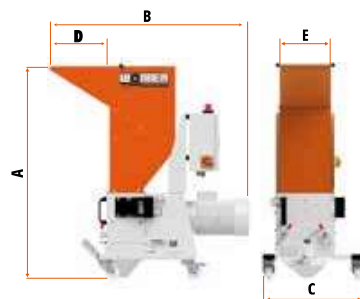
|                         | <b>C 13.20</b>            | <b>C 17.26</b>            | <b>C 17.31</b>            |
|-------------------------|---------------------------|---------------------------|---------------------------|
| Cutting chamber opening | 130 x 200 mm <sup>2</sup> | 170 x 260 mm <sup>2</sup> | 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                    |

**GREEN  
LINE**

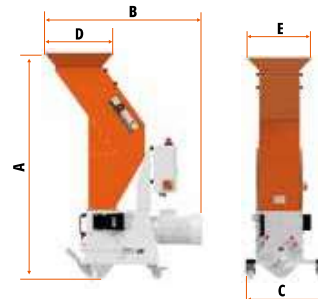


< The Green-Line control and the IQ control are in all models of C series available

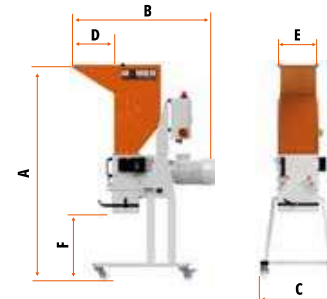
### Standard



### Robot infeed hopper



### High stand



### Dimensions

|          | <b>C 13.20</b> | <b>C 17.26</b> | <b>C 17.31</b> |          | <b>C 13.20</b> | <b>C 17.26</b> | <b>C 17.31</b> |          | <b>C 13.20</b> | <b>C 17.26</b> | <b>C 17.31</b> |
|----------|----------------|----------------|----------------|----------|----------------|----------------|----------------|----------|----------------|----------------|----------------|
| <b>A</b> | 890            | 1090           | 1170           | <b>A</b> | 1390           | 1430           | 1475           | <b>A</b> | 1380           | 1560           | 1640           |
| <b>B</b> | 755            | 1020           | 980            | <b>B</b> | 895            | 990            | 990            | <b>B</b> | 800            | 1020           | 980            |
| <b>C</b> | 415            | 520            | 520            | <b>C</b> | 415            | 520            | 520            | <b>C</b> | 560            | 560            | 660            |
| <b>D</b> | 245            | 290            | 290            | <b>D</b> | 415            | 430            | 430            | <b>D</b> | 245            | 290            | 290            |
| <b>E</b> | 205            | 255            | 305            | <b>E</b> | 375            | 415            | 445            | <b>E</b> | 205            | 255            | 305            |
|          |                |                |                |          |                |                |                | <b>F</b> | 490            | 485            | 485            |

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

## 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 in-feed 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.



Control unit



Standard hopper



Robot feed hopper with sprue collecting funnel



C 17.26 Standard



Cutting chamber with gear motor



Rotative fill-level sensor

trolley stand with spacers and large suction box



High stand with sack filling box



Dedusting unit

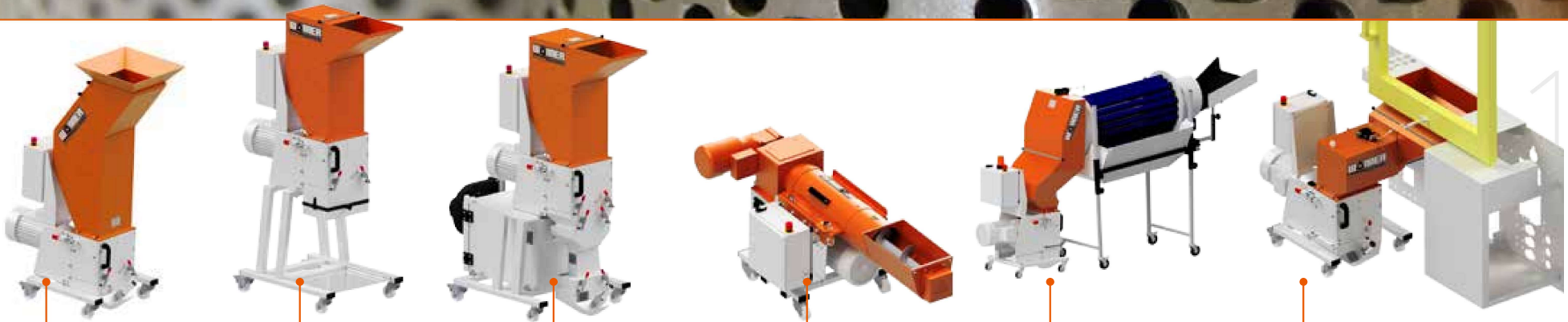
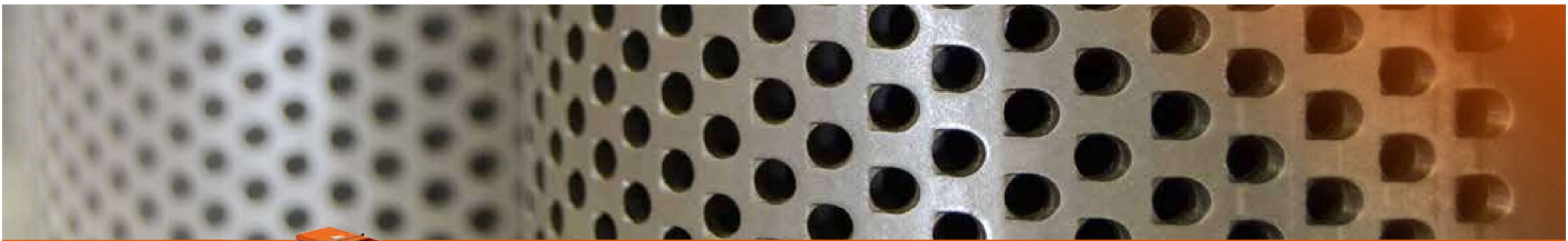
Standard trolley stand with suction box



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.

▲ Der C-Serien Baukasten bietet viele Optionen





### **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. Sandwich 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 virtually free of dust, our model with integrated dedusting system is the perfect fit. Especially when it comes to the granulating of very brittle glass-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 parts are conveyed 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.

**Green-Line  or IQ-Line  energy-saving controls are available for all C-Series models**