## The **X**tra Series

The specialist for brittle materials



The screenless type of crusher granulators of the Xtra Series were conceived as beside-the-machine granulators for applications with brittle and fibreglass-reinforced plastic materials.

The Xtra Series is available in 3 cutting chamber sizes, with the smallest cutting chamber having one, the mid-sized cutting chamber

having two, and the largest cutting chamber having three primary crushers. The star-shaped primary crushers processes larger sprues and parts until they are small enough to fall into the toothed rollers and are granulated to their final grain size. Granulate size is determined by the size of the teeth on the toothed rollers, with tooth widths 4 and 5 mm available.

A low rotor speed of just 30 rpm. reduces the amount of noise compared to standard knife granulators.

We developed the Xtra Series to have a very compact construction and for easy handling. The grinding chamber can be fully opened with ease and without the use of tools, making it simple to clean these machines quickly.

Model Xtra 2



### **Advantages**



- > 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 or IQ-Line energysaving 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			



#### Sprue picker hopper

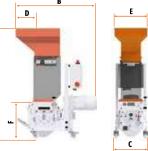






< The Green-Line control and the IQ control are in all models of XTRA series available

On high stand



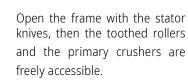
Dimensions	Xtra 1	Xtra 2	Xtra 3	Xtra 1	Xtra 2	Xtra 3	 Xtra 1	Xtra 2	Xtra 3
Α	945	1105	1200	1300	1350	1400	 1410	1575	1625
В	900	985	1125	990	985	1035	960	990	1125
С	425	425	425	425	425	425	 660	660	660
D	200	290	290	300	300	290	 200	300	290
E	330	400	400	400	400	400	330	400	400

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









Easy to open – easy

To open the granulator, pull out

Open the locking screw on the

side and tip the hopper to the

to clean.

the suction box.

frontside.

Undercuts in the cutting chamber where material can collect are reduced to a minimum.

The rotor can be turned to clean the toothed rollers.

Cleaning the granulator is also guickly done with our Xtra series!



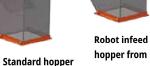
Standard hopper made from PC of sandwich sheet metal

**Control with** additional options

Standard control



Standard trolley mand with suction box



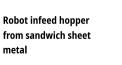
hopper from PC

Cutting chamber with gear motor

**Dedusting unit for** Xtra series



∧ The modular system makes it very easy to design the machine for special needs





**XTRA2 Standard** 

The screenless tooth roller granulators are ideal for hard and brittle materials.

The machines of the Xtra series are very compact and due to the low speed they are quieter than e.g. our C-series granulators, especially for thick-walled, hard and brittle parts.

The standard version with a low hopper with integrated baffle is suitable for feeding via a conveyor belt; the regrind can be fed directly back to the injection moulding machine via the suction box.



#### XTRA2 with robot infeed hopper

Ideal for feeding with sprue picker or robot. The large hopper opening and the straight inlet ensure that even large, free-falling sprues are safely fed into the cutting chamber.

The hopper is optionally available in sandwich sheet metal, which further reduces the noise level.

#### XTRA2 Highstand

We also have solutions wellsuited 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.

## XTRA3 with special robot infeed hopper

Thanks to our efficient sheet metal processing, we are able to respond very flexibly to customer requirements. This means that we are also able to supply hoppers that fit your requirements exactly. The example shows a special robot infeed hopper with a particularly large feed opening and special height, especially for very large sprues.

# XTRA3 with additional forced feeder

In order to capture very large sprues safely, our XTRA3 model is available with an optional forced feed system that presses large and bulky sprues into the granulator rotor. This significantly reduces the risk

of a backlog due to bulky sprues not being pulled in.

#### XTRA1 with special hopper adapted to a separation system

Our solution for a separating application, where the sprues are falling underneath the drum into the granulator while the parts are conveyed through the drum. Equally convertible: The granulator stands behind the separating drum and the good parts fall out from underneath the separating system. Customised solutions are our strength.

# XTRA2 with special hopper for IMM with integral picker

For a large number of injection moulding machine types with integrated sprue pickers or robots, we have a solution that ensures that the removed sprues are granulated in a process-safe manner. We offer solutions especially for injection moulding machines from Arburg, Engel and Sumitomo Demag.

Green-Line 💼 or IQ-Line 🔟 energy-saving controls are available for all XTRA models