



VDZ

Compact and united –
The well-proven combination of shredder and granulator

From bulk to granulate with a single machine

The revolution for inhouse recycling



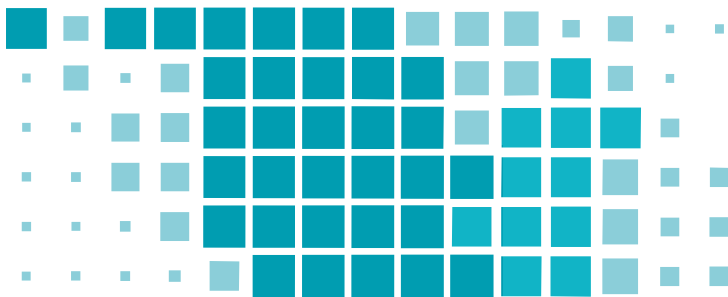
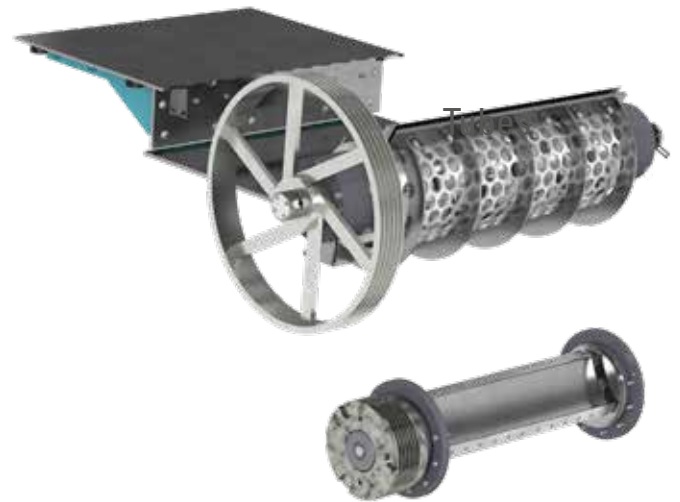
Compact machine design

The machine frame has a thick-walled, ribbed steel construction design. The machine base frame is an integrated part of the machine. This reduces noise emissions and enables further simplified noise abatement measures.



One step for efficient plastics reprocessing

The newly developed machine has been jointly designed by the Aachen granulator specialists Heinrich Dreher GmbH & Co. KG and Vecoplan AG. The machine combines the expertise of two German machine and equipment engineers under one machine housing. The machine shreds the input material to the desired output grain size in two stages, ready for reuse in the production process.

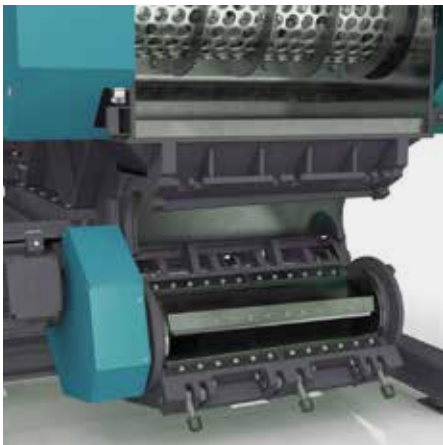


The compact solution



High performance drive

- Shredder drive unit with three-phase motor [nominal speed 185 rpm, speed range 90–265 rpm]
- Rotor directly connected to the frequency-controlled motor via drive belt
- Granulator drive unit with 610 rpm rotor three-phase motor
- Three-phase motor with PTC thermistor technology



Moveable rotor and screen

- Maintenance door enables easy and direct access to the single-shaft shredder and to the shredding mill
- Granulator rotor and screen can be swung down automatically
- Swing away mechanism works with hydraulic cylinder directly connected to the central hydraulic unit
- Fast screen changes guaranteed





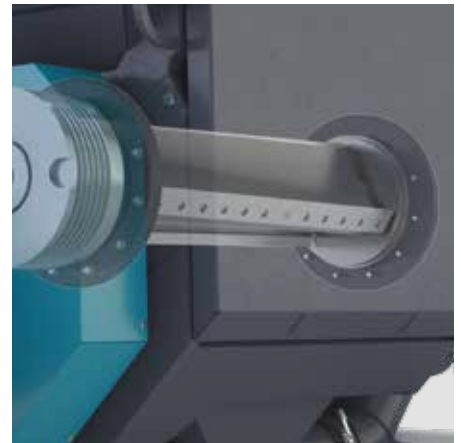
Shredder features

- Cutting unit with large rotor diameter
- Steel rotor fitted with hardened concave cutting tools
- Cutting tools can be used and changed four times thanks to the V-shaped centering groove
- Sturdy counter-knife bar



Granulator features

- Durable, balanced rotor with high cutting power
- Minimum cutting gap, which can be adjusted by the stator knife (cutting gap adjustable to <math><0.1\text{ mm}</math>)
- Quick check of the cutting gap possible
- Optimum cutting gap guarantees optimum bulk density and quality of the milled material



Enjoy the benefits!

The direct combination of cutting mill and shredder renders conveyor technology obsolete and means lower connection and consumption costs.

Your advantages

70 % space saving

25 % energy savings
through ESC-Drive compared to
electromechanical direct drive

Highest availability

Low operating costs

Safety performance level D2

Technical details

Details			VDZ 1100
Intake (W x L)		mm	1,075 x 1,300
Shredder rotor diameter		mm	370
Granulator rotor diameter		mm	260
Granulator working width		mm	820
Throughput rate approx.		kg/h	up to 1,500*
Shredder drive power		kW	30 or 37
Granulator drive power		kW	15
Knives	Shredder	Qty	24 or 48 cutting crowns
	Mill	Qty	5 rows of knives in rotor, 2 rows of knives in stator

*Depending on the input material and screen variants. Subject to technical changes. Detailed dimensional drawings and load data available on request.
As at: 06/2018



Vecoplan®

Vecoplan AG
Vor der Bitz 10
56470 Bad Marienberg | Germany
phone +49 2661 62 67-0
fax +49 2661 62 67-70
welcome@vecoplan.com
www.vecoplan.com