



VIZ

Infinitely flexible –
The ingeniously-adaptable shredder for reusable material

You decide what drives you!

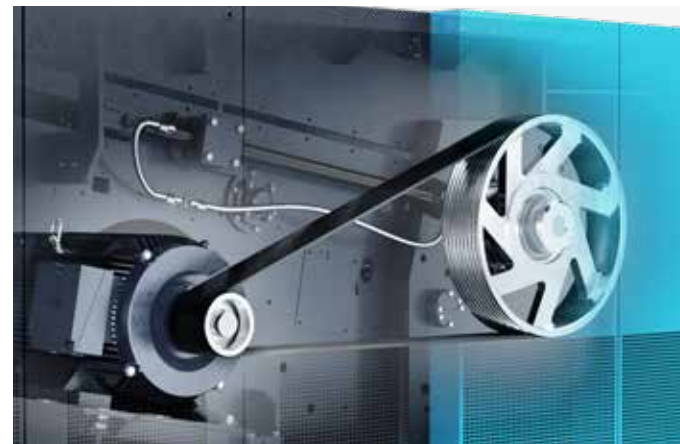
Configure the Vecoplan Infinity shredder to match your requirements and choose between the HiTorc drive with its powerful start-up phase and high torque, or the frequency-controlled ESC belt-type, direct drive.

Both types are characterised by many advantages: frequency-controlled drive, variably adjustable speed range, foreign object detection, high dynamics due to fast reversing and restarting in the material, low maintenance and low wear.



Either HiTorc drive ...

- Synchronous motor as direct drive without mechanical drive train
- Highest possible torque at low speed
- Problem-free start-up with filled machine
- Maintenance and wear-free
- Almost noiseless



or the patented ESC drive ...

- Cost-effective operation
- Slippage detection in real time
- Intelligent, self-regulating drive concept
- Low maintenance and wear

Revolution of the W- and V-rotor

Infinitely adaptable and easier to maintain than ever before

The new rotor solution from Vecoplan offers numerous advantages in terms of cutting geometry: Thanks to the concept of bolted tool holder plates with variable cutting tip sizes, rotor changes are now a thing of the past.

Do your output grain requirements often change? You only have to exchange the retaining plates and counter knives to quickly and easily adapt the cutting geometry to match different requirements. The rotor remains in the machine. Even cutting tip changes can now be carried out in an ergonomically-suitable position – they no longer have to be performed on the rotor. In the case of a damaged tool holder, you only have to replace the relevant segment – welding in individual holders or the complete replacement of the rotor is no longer necessary.

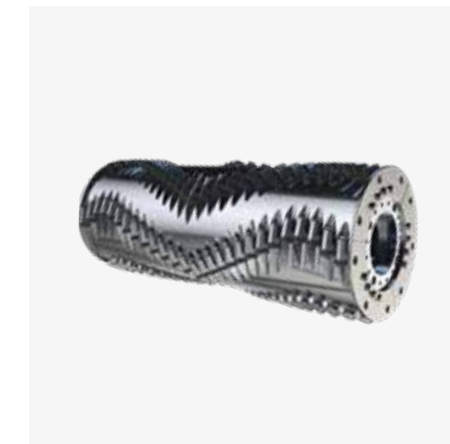


Possible rotor designs



W- and V-rotor with screwed tool holders

- Maximum flexibility
- Low investment and operating costs
- Highest availability
- Low fines content
- Design with triple and quintuple number of cutting tools, depending on size



W- and V-rotor with welded tool holders

- Maximum cutting performance and high throughput rates
- Homogeneous output quality with low fine fraction and little grain variance
- Design with triple and quintuple number of knives (with W-rotor) possible

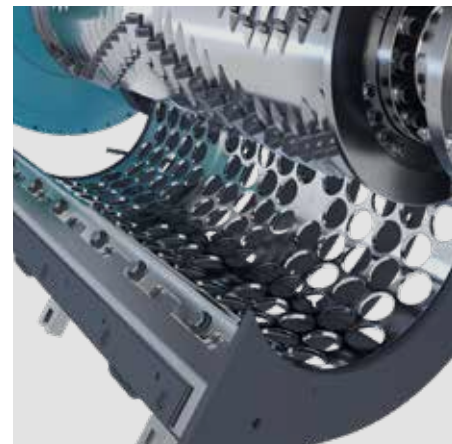


U-rotor with welded tool holders

- Profiled, with toothed counter blade
- Design with single to triple number of cutting tools, depending on size

Infinite flexibility for unlimited requirements

Your challenge is frequently changing material with different requirements?
The new Vecoplan shredder offers a correspondingly efficient and adaptable machine concept in the smallest possible space.



Screen

- Swing away screen basket enables the screen segments to be changed in the shortest possible time
- Variable positioning of the screen segments enables a maximum wear part life cycle
- Adjustment of the output grain size through optionally different sieve perforations



Counter knife

- Cutting gap can be adjusted from the outside
- Can be used on up to four sides
- Toothed design



Hydraulically swing away bottom plate

- Fast removal of impurities possible, with short downtimes.
- Counter-knife and cutting crown change in an ergonomic position possible
- Further maintenance and servicing work can be carried out easily
- Drive of the bottom flap available in hydraulic or electric version



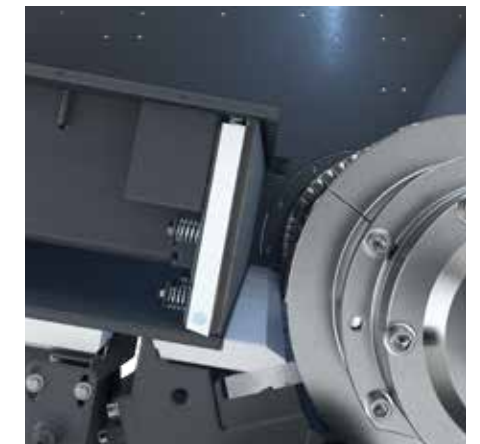
Machine housing

- Large shredding chamber for the shredding of closed bales available from VIZ 1300
- Subsequent installation of a second counter-knife possible
- Closed contours ensure easy cleaning and low susceptibility to dirt



Ram

- Optimised ram height for shredding bales and bulky pieces
- Distance to rotor minimised: reduction of material residues
- Pulling design of the pusher cylinders prevents them from becoming dirty, saves space and improves their accessibility
- Improved slide gate sealing
- Slide gate drive available in hydraulic or electric version



Material cooling

- Maximum heat dissipation from the material through targeted generation of steam in the comminution process
- Resulting from the conversion of water to water vapour, there is no influence on the output material



VSC.Control – Vecoplan Smart Center

- Maximum efficiency in size reduction
- For an increase in productivity and more energy-efficient operation
- Intuitive adjustment of the machine parameters
- Usable on all common mobile end devices



No limits with the VIZ!

Think ahead with the Vecoplan Infinity shredder. Uses only one shredding stage, where other shredders need two.

We would be pleased to advise you personally and show you in detail how the VIZ advantages could affect your application and how you can optimally integrate it into your plant.

Your advantages

Maximum flexibility
Low investment and
operating costs even in the case of
special requirements
Exceptional availability
Low fines fraction (minimal losses)
=
Proven rapid return on investment

Technical details

| Details | | VIZ 1300 S5 | VIZ 1300 S5T | VIZ 1300 L5 | VIZ 1300 L5T | VIZ 1700 L5 | VIZ 1700 L5T | VIZ 2100 L5 | VIZ 2100 L5T |
|---|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Infeed opening (W x L) | mm | 1255 x 1255 | | 1255 x 1850 | | 1670 x 1850 | | 2085 x 1850 | |
| Rotor dimensions | mm | Ø 495 x 1245 | | | | Ø 495 x 1660 | | Ø 495 x 2075 | |
| Motor output | kW | 75, 90 | 110 | 75, 90 | 110, 134 | 132, 160 | 110, 134, 203 | 132, 160 | 110, 134, 203 |
| Rotor speed | UpM | 95–265 | 60–200 | 95–265 | 60–230 | 100–300 | 60–340 | 100–300 | 60–340 |
| Cutting tips 23 mm x 23 mm | W-rotor | ● | ● | ● | ● | ● | ● | — | — |
| Cutting tips 40 mm x 40 mm | U-rotor | ● | ● | ● | ● | ● | ● | ● | ● |
| | V-rotor | ● | ● | ● | ● | ● | ● | ● | ● |
| | W-rotor | ● | ● | ● | ● | ● | ● | ● | ● |
| Cutting tips 60 mm x 60 mm | U-rotor | ● | ● | ● | ● | ● | ● | ● | ● |
| | V-rotor | ● | ● | ● | ● | ● | ● | ● | ● |
| Cutting tips 80 mm x 80 mm | U-rotor | — | — | — | — | ● | ● | ● | ● |
| Weight (without hopper and steel frame) | t | approx. 7,2 | approx. 7,0 | approx. 9,5 | approx. 9,3 | approx. 12,5 | approx. 12,3 | approx. 14,0 | approx. 13,8 |
| Overall dimensions (W x L x H) | mm | 2515 x 2845 x 1350 | 2995 x 2845 x 1350 | 2560 x 4080 x 1600 | 3015 x 4080 x 1600 | 2975 x 4080 x 1600 | 3430 x 4080 x 1600 | 3390 x 4080 x 1600 | 3845 x 4080 x 1600 |

Subject to technical changes. Detailed dimensional drawings and load data available on request. As at: 07/2021





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