

Sewage station without problems.



Problem → **Blockages and damage to the displacement pumps of the sewage station**

Solution → **VOGELSANG RotaCut™ 5000 Inline**

Large quantities of sewage are treated at the sewage treatment plant in Krefeld. This resulted in repeated problems with stones and iron parts, or coarse material (pieces of wood, cleaning cloths). The pipes and downstream displacement pumps became blocked or were damaged.

On searching for suitable protective measures, VOGELSANG'S RotaCut™ was found to be the answer. It separates all heavy foreign bodies reliably. Fibres and coarse material, and even large pieces of wood are shredded thanks to the AutoReverse controller. Blockages and damage to the pumps are now a thing of the past.

Due to the long runtime, the ACC system was selected from the outset, as it guarantees the optimal cutting pressure between the cutting screen and blades regardless of the wear. As a finishing touch, the Inline design meant that the existing pipes did not even have to be changed, the RotaCut™ system was simply installed in the existing piping network. No wonder that they also chose the RotaCut™ when expanding the plant. Today, 20-30 trucks empty their loads without problems at the three current sewage stations.

Foreign bodies, coarse materials and fibres in the sewage: No problem with VOGELSANG technology.

Advantages of the VOGELSANG RotaCut™ Inline

- **Excellent separation of heavy materials (stones, pieces of iron etc.)**
- **Excellent shredding of coarse material and fibres (cleaning cloths, pieces of wood etc.)**
- **Easy to retrofit due to the Inline design**



Problem → **Low-cost treatment of potato pulp for use as feed**

Solution → **VOGELSANG RotaCut™ 3000 Inline**

In the potato processing industry, large amounts of so-called potato pulp are generated - stewed peeling and production waste. In the agriculture industry, it is used as feed for pigs, for example. However, it is important to shred the pulp extremely finely so that animals can digest it optimally and thus make best use of it.

Until now, large and expensive swing-hammer mills were used for this. However, these machines entailed an enormous investment, which small companies often avoided.

The VOGELSANG RotaCut™ is a cost-effective alternative to swing-hammer mills. For this specific application, a 4 mm perforated strainer which virtually mashes the potato pulp is used. This is the ideal result for use as feed. Its stainless steel construction means that the corrosive potato pulp cannot harm it. There are no problems with chemical instability.

The purchasing and running costs are far lower than those of the swing-hammer mill. Added to this is the compact design, which significantly reduces the space required.

Fine shredding potato pulp: No problem with VOGELSANG technology.

Advantages of the VOGELSANG RotaCut™

- **Excellent shredding performance**
- **Compact design, requires little space**
- **Low purchasing and running costs**

Reliable sludge thickening/sludge drainage



Problem → Inhomogeneous sludge and fibrous matter lead to malfunctions in centrifuges

Solution → **VOGELSANG RotaCut™ Inline**

When charging centrifuges and decanters for sludge thickening or drainage, malfunctions and/or damage are often caused by entwined fibres and other fibres in the sludge. The running and maintenance costs rise - a circumstance which pleases neither the operator nor the manufacturers.

To avoid such scenarios, homogeneous sludge without long fibres is required. This is the only way to guarantee optimal performance and safe operation, which is clear to all parties involved. How can this goal be reached cost-effectively?

The VOGELSANG RotaCut™ is a proven auxiliary device which is recommended by leading manufacturers. It shreds all fibres and entwined materials reliably. It also homogenises the sludge. With its Inline design, it can easily be installed in existing systems without changing the pipe routing. The running and maintenance costs are very low.

In spite of the additional device, it reduces the running costs for sludge thickening or drainage.

Reliability for centrifuges and decanters: No problem with VOGELSANG technology.

Advantages of the VOGELSANG RotaCut™ Inline:

- **Reliable shredding of entwined material and fibres**
- **Inline design allows it to be retrofitted to existing systems**
- **Easy to service and maintain, low running costs**



Problem → **Blockages due to entwined fibres in digestion tower circulation/sludge stations**

Solution → **VOGELSANG RotaCut™ 3000 Inline**

In a sewage treatment plant, fibres which become entwined in digestion towers often blocked pumps or the downstream pipework system.

Both the digestion tower charging and removal system and the digestion tower circulation are now implemented using two RotaCut™ 3000 Inline. The Inline design allowed it to be installed in the existing suction pipes without problems. The RotaCut™ shreds all coarse materials (e.g. hair, fibres) in the sludge; entwining is actively prevented. At the same time, any remaining heavy foreign bodies are separated in the integrated heavy material separator and can be easily disposed of through the large free passage. Another impressive advantage of RotaCut™ units: their low running costs. The opinion of the sewage treatment plant manager finally tipped the scales. And he was impressed by the ease of maintenance and service of the RotaCut™. Simply open the cutter head and all important parts are accessible. Wear parts can also be replaced quickly.

Entwined fibres: No problem with VOGELSANG technology.

Advantages of the VOGELSANG RotaCut™

- Entwined fibres are prevented reliably
- Effective separation of foreign bodies
- Easy to maintain and economical

