

PRESS RELEASE

Debris Lift Unit: Automatic disposal of separated heavy material at biogas plants

- **Retrofittable complete solution for liquid feeding system PreMix and wet cutter RotaCut RCX**
- **Removal and disposal during ongoing operation**

Essen (Oldenburg), Germany, May 24, 2022 – With the Debris Lift Unit (DLU) [Vogelsang GmbH & Co. KG](#) is launching a fully automatic disposal system for heavy material separated during solid matter feeding. Combined with Vogelsang's intelligent Debris Removal System (DRS), the DLU represents a complete solution for the liquid feeding system PreMix or the wet cutter RotaCut RCX that significantly reduces the time and effort required for foreign material handling and increases overall efficiency in solid matter feeding.

"Regular manual disposal of separated heavy materials is time-consuming and labor-intensive, particularly at larger biogas plants or at plants with a high volume of input material containing foreign matter such as manure or residual materials from the organic waste. The Debris Lift Unit completely eliminates the need for this manual labor" says Rainer Zobel, Head of Sales Europe Industry, Wastewater and Biogas at Vogelsang.

Separate heavy material

The Debris Lift Unit is mainly used to complement the process of solid matter feeding. Liquid feeding systems are an important factor for high gas yield as they ensure that input materials are homogenized and fed to the digester as a well-prepared suspension.

Smaller contaminants can be easily chop down with the wet cutter RotaCut RCX from Vogelsang. The RotaCut RCX separates heavy foreign bodies such as stones or metal parts and ejects them automatically during operation via the optional Debris Removal System. Only about 15 liters of liquid are drained in the process. With conventional heavy material separators, up to 100 liters of liquid must be drained during heavy material removal.

Automatic disposal: How the Debris Lift Unit works

In biogas plants with a high volume of input materials or a large amount of foreign bodies in the input materials, heavy material separators can fill up quickly. Heavy materials must be disposed of manually on a regular basis. The Debris Removal System and the new Debris Lift Unit from Vogelsang allow for this process to be automated as the Debris Lift Unit transports the heavy material discharged by the Debris Removal System into a collection container. This process occurs during operation. Neither the liquid feeding system, nor the wet cutter have to be stopped thus eliminating the need for time-consuming manual intervention.

Retrofit as a complete solution

Vogelsang's existing liquid feeding systems such as the PreMix or even the RotaCut RCX can be retrofitted with the Debris Removal System and Debris Lift Unit. Users thus benefit from a functional complete solution that fully automates heavy material handling.

For more information, visit vogelsang.info/int/dlu (Debris Lift Unit) and vogelsang.info/int/drs (Debris Removal System).

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About Vogelsang:

Vogelsang GmbH & Co. KG, headquartered in Essen (Oldenburg) in Lower Saxony, develops, produces and sells technically high-quality, individually configurable and service-friendly machines. Founded in 1929, the company grew from a manufacturer of agricultural machinery into a specialist in machines and solutions in the wastewater, agricultural technology, biogas, industrial and transportation technology segments. The innovative family company currently employs over 1,200 people worldwide. As an internationally oriented mechanical engineering group, the company ensures the highest product quality through research, development, and production at the Essen location and in other production facilities in Germany and abroad. Thanks to a continuously growing network of subsidiaries and sales offices, Vogelsang is present with over 50 locations around the world. The company has already received several awards from the economic research institute Prognos AG, among other things as "Germany's innovation leader". Further information can be found online at: vogelsang.info

Images:



Image 1: Debris Lift Unit (DLU): fully automatic heavy material disposal during operation.



Image 2: The Debris Lift Unit (DLU) can be used to complement solid matter feeding.

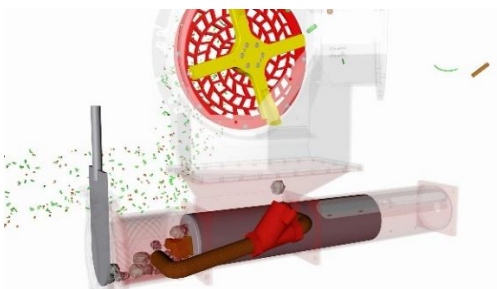


Image 3: The Debris Removal System (DRS) discharges heavy material with only 15 liters of liquid.

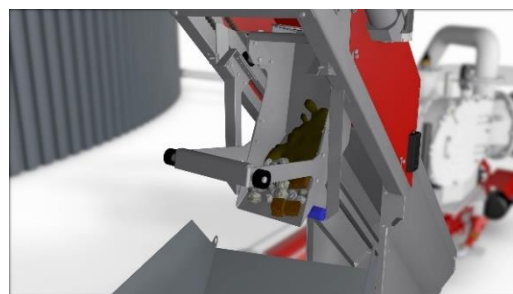


Image 4: The Debris Lift Unit (DLU) automatically disposes separated heavy material into a collection container via a conveyor cage.

Image source for all images: Vogelsang GmbH & Co. KG