

## PRESS RELEASE

### IFAT 2020: Vogelsang showcases further developed wastewater grinder

- **XRipper XRG186 with a larger shredding chamber and more power**
- **Energy-efficient shredding of wet wipes**
- **RedUnit: Reduce disposal costs with preparation of screenings**

**Essen (Oldenburg), 26 March 2020** – Reliable problem-solvers for disruptive matter in wastewater will be showcased by [Vogelsang GmbH & Co. KG](#) at **IFAT**, the world's leading trade fair for water, sewage, waste and raw materials management in Munich (**7-11 September 2020, hall B1, booth 347/446**). The focus is on the XRipper XRG186 twin-shaft wastewater grinder. The grinder is based on the XRipper XRG, intended for use in large sewers, which Vogelsang developed further in close collaboration with the Ruhrverband. "The service-friendly and efficient concept of the XRipper XRG has proven itself in the field. We built on this foundation and in the further development, our focus was on achieving even greater throughput and shredding performance," says Torsten Burhorst, Team Leader Research & Development at Vogelsang.

The new XRipper XRG186 is equipped with a 1.82-meter-high and 1.22-meter-wide XRipper shredding chamber, which makes it capable of processing even greater throughput quantities of up to 4,000 cubic meters per hour. The model draws on technical expertise and user knowledge gained from practice.

#### Free sewers with powerful shredding

The XRipper XRG186 shreds harmful matter in wastewater such as wet wipes and cleaning cloths in an energy-efficient way. The modified solids reduction solution is equipped with a new variant of the High Capacity Unit, each of which consists of a rotating perforated screen drum. While the wastewater passes through the grinder mostly unopposed, the High Capacity Units hold back the disruptive matter while guiding it continuously into the center of the grinder. There it is shredded by the one-piece Ripper rotors. This prevents blockages and clogging in the downstream pumps and in the sewage system.

### **Preparation of screenings with the RedUnit to save on disposal costs**

Moreover, with the RedUnit, Vogelsang is showcasing a compact system solution for the preparation of screenings. The heterogeneous mixture results in high disposal costs for operators of wastewater treatment plants. With the basic variant of the RedUnit, equipped with the XRipper XRL twin-shaft shredder, the volume of screenings is reliably and efficiently reduced. This results in cost savings for operators of wastewater treatment plants. If the RedUnit is installed upstream of a screening wash press, the preparation means even more organic matter can be flushed out and the screenings can be better dewatered. This also reduces disposal costs. At the same time, the additionally flushed out organic matter boosts the gas yield of the digester.

### **RedUnit: compact preparation and conveyance of cosubstrates and screenings**

The RedUnit combination formed from the XRipper XRL and the progressive cavity pump of the CC series is especially suitable when the entire screenings are to be conveyed in a pumpable form. With minimal space requirement, the compact system solution shreds the screenings, mixes this with fluid and pumps it directly into the digester, for example, so that all the organic matter contained in it can be turned into sewer gas. Rainer Zobel, Sales Director at Vogelsang: "In addition, to increase gas yield, even organic cosubstrates can be efficiently shredded, prepared and pumped into the digestion tower. An optional downstream RotaCut wet cutter chops down even fibrous components more finely."

As a preassembled system solution in which all core components such as the pump and shredder, but also the valves and sensors, are already installed and connected to the Performance Control Unit, all RedUnit variants can be quickly and easily retrofitted.

**Visit Vogelsang at IFAT 2020: 7-11 September 2020, Munich Exhibition Centre, hall B1, booth 347/446.**

More at: [vogelsang.info](http://vogelsang.info)

#### Press contact:

Vogelsang GmbH & Co. KG  
Martina Ekert  
Marketing Director  
Holthoege 10–14  
49632 Essen (Oldenburg), Germany  
Phone: +49 5434 83 - 231  
Mail: [martina.ekert@vogelsang.info](mailto:martina.ekert@vogelsang.info)  
Web: [www.vogelsang.info](http://www.vogelsang.info)

VOCATO public relations GmbH  
Friederike Wagner /  
Sina Oesterreicher  
Toyota-Allee 29  
50858 Cologne, Germany  
Phone: +49 2234 60198 - 16 / - 11  
[fwagner@vocato.com](mailto:fwagner@vocato.com) / [soesterreicher@vocato.com](mailto:soesterreicher@vocato.com)  
[www.vocato.com](http://www.vocato.com)

#### About Vogelsang:

Vogelsang GmbH & Co. KG develops, produces and distributes technically high-quality machines that are easy to maintain. Its head office is located in Essen (Oldenburg) in Lower Saxony, Germany. Founded in 1929 as a manufacturer of agricultural machinery, the company has grown to become a specialist in individually configurable machines for the wastewater, agricultural, biogas, industrial and traffic sectors. At present, the mid-sized, innovative family business employs about 1,000 people worldwide. Vogelsang ensures the highest production quality through its research, development and manufacturing operations at its location in Germany. As an internationally oriented machine construction company, Vogelsang also operates manufacturing centers domestically and abroad. A continuously growing network of subsidiaries and representatives allows Vogelsang to be present in more than 25 locations worldwide, in all European countries and important industrialized nations in the world. The company was awarded the title of “Germany's innovation leader” by the economic research institute Prognos AG. Further information can be found online at: [www.vogelsang.info](http://www.vogelsang.info)

**Images:**



**Image 1:** The XRipper XRG186 reliably shreds disruptive matter in wastewater and is specially designed for use in large sewers.



**Image 2:** The RedUnit is a modular equipment combination composed of shredding and pump technology with an intelligent control unit.



**Image 3:** In the basic version, the RedUnit consists of the compact XRipper twin-shaft grinder, which efficiently shreds solid matter such as screenings or cosubstrates.

**Source for all images: Vogelsang GmbH & Co. KG**