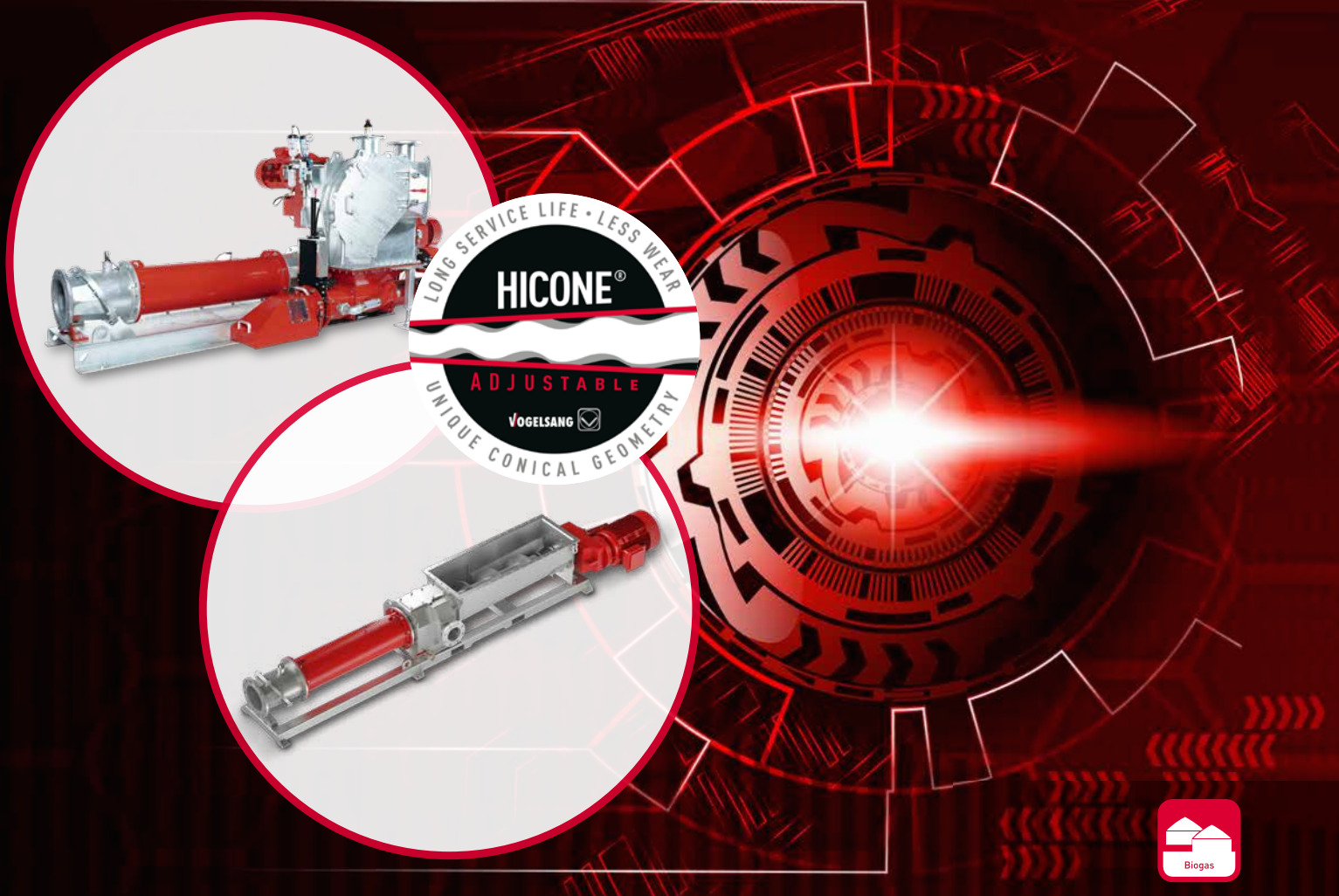




READY FOR WHAT'S TO COME

Smart solid matter feeding
with HiCone® technology
for tomorrow's biogas plant

VOGELSANG – LEADING IN TECHNOLOGY

VOGELSANG



Efficient, reliable, future-proof

Systematic solid matter feeding

Solid matter feeding plays a key role in ensuring the efficient and economical operation of a biogas plant. Our liquid feeding systems introduce substrates in a bacteria-friendly, pre-mixed form. This enables optimal “feeding” of microorganisms – resulting in higher gas yields and lower internal energy consumption.

Create the foundation for reliable, resource-efficient, and economical biogas production today and in the future with our pioneering dosing systems.

MixxPump

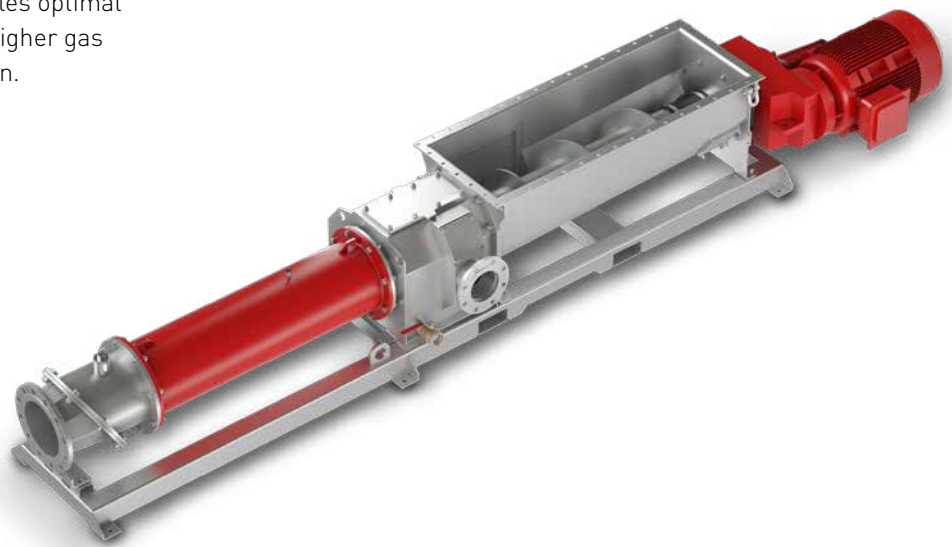
**Compact in design,
easy to integrate**

With the MixxPump, Vogelsang presents the smart evolution of a proven solid matter feeding concept. The user-friendly system makes the feeding of easy-to-handle input materials such as maize silage more economical than ever before.

Based on the HiCone progressive cavity pump as the core element of the system, the MixxPump ensures solid matter feeding that is both reliable and efficient, while requiring only minimal effort for service and maintenance. Its flat, space-saving design also allows for easy retrofitting in existing plants as well as an integration into proven concepts for plant engineering.

Benefits of the MixxPump

- Efficient mixing of easily handled solid materials
- Compact design, easy to integrate
- Robust, reliable, and low-maintenance
- Low operating costs thanks to innovative HiCone technology
- Fast and easy on-site service



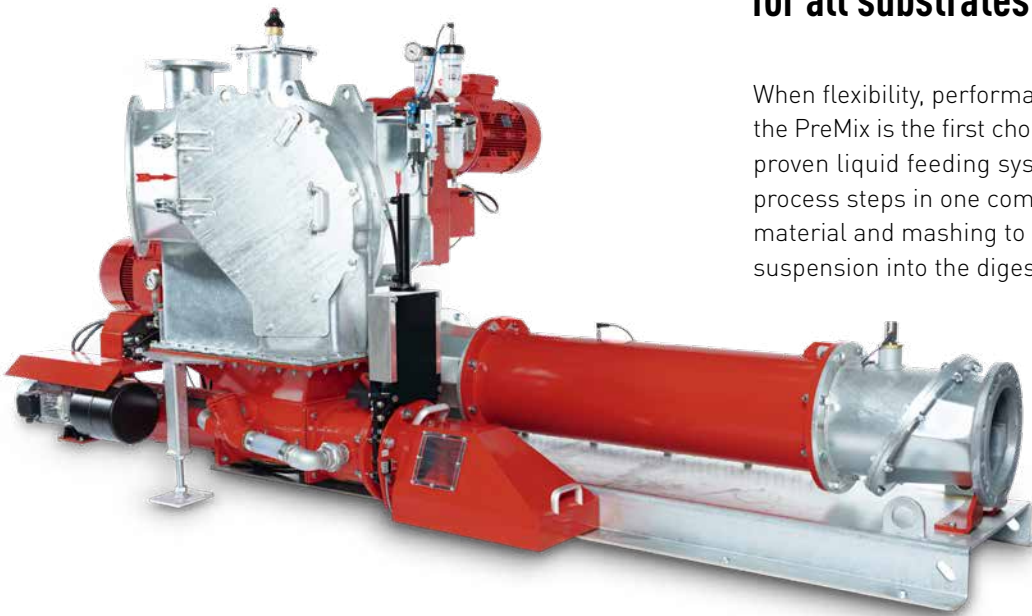
HiCone® Redefining efficiency

The HiCone progressive cavity pump is the centerpiece of Vogelsang's advanced solid matter feeders – both in the MixxPump and the PreMix. Its innovative adjustment mechanism and unique conical rotor-stator geometry ensure consistently high conveying performance and maximum service life.

Wear is easily compensated by precise readjustment – without the need for complex part replacements. This keeps efficiency and performance consistently high while minimizing maintenance effort and operating costs. And if replacement is eventually required, Vogelsang's QuickService concept makes the process fast and straightforward.

PreMix[®] IC/ICC

The universal solution for all substrates



When flexibility, performance, and process reliability matter, the PreMix is the first choice. The new generation of the long proven liquid feeding system combines four essential process steps in one compact unit – from separating heavy material and mashing to maceration and conveying the suspension into the digester.

The new PreMix IC/ICC version combines the HiCone progressive cavity pump with the RotaCut RCX wet cutter. This powerful combination ensures a consistent and uniform feeding process, even with fibrous or challenging substrates, while protecting the plant against damage from heavy material.

Thanks to the intelligent Performance Control Unit (PCU), the PreMix always operates within the optimal range. Condition monitoring, remote access, and automated control make the system both economical and user-friendly – ensuring maximum reliability and efficiency with minimal downtime. If a part does need to be replaced, the QuickService design of the HiCone and RotaCut allows for quick and easy maintenance.



Your benefits with HiCone[®]

- Significantly extended service life and reduced life-cycle costs
- Consistently high conveying performance throughout the entire lifetime
- Fast and easy maintenance thanks to QuickService design
- Status indicator for predictive maintenance and prevention of unexpected downtime

Benefits of the PreMix[®] IC/ICC

- Reliable processing of a wide range of substrates
- Four functions in one compact system – separation, maceration, mashing and pumping
- Efficient feeding thanks to intelligent control with condition monitoring and remote access
- Simple integration and fast on-site service

Unser Angebotsspektrum

Wir bieten Lösungen für die folgenden Segmente:
ABWASSER, AGRARTECHNIK, BIOGAS,
INDUSTRIE, VERKEHRSTECHNIK



Unser breites Produkt- und Leistungsprogramm

- Ausbringtechnik
- Beratung und Service
- Datenmanagement und Steuerungstechnik
- Desintegrationstechnik
- Feststoffdosierer
- Maßgeschneiderte Lösungen für Spezialanwendungen
- Nass- und Feststoffzerkleinerung sowie Separationstechnik
- Pumpen und Pumpsysteme
- Ver- und Entsorgungssysteme für Bahn, Bus und Boot

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