SteRo mixing technologies GmbH is a merger of two companies that have been active in the biogas market for many years, **Ste**verding Rührwerkstechnik and PTM (managed by Mr. **Ro**stalski), with the aim of creating innovations that revolutionize and optimize the biogas market.

We have made it our task to improve the biogas market through new developments, to optimize the biogas plants and to maximize the gas yields. This is not possible without the technical accessories.

Steverding Rührwerkstechnik GmbH is a manufacturer and expert for large paddle agitators in the toughest areas of application. The in-house department for research and development has already successfully brought new concepts onto the market and is always working on new innovations that offer the biogas market added value.

PTM GmbH is a specialized manufacturer of high-quality submersible motor and propeller mixers with many years of experience in a wide variety of applications. Through this experience, the requirements for sophisticated technology in the application of biogas are known in detail and are incorporated into the development of new products.

Together, Steverding Rührwerkstechnik and PTM form SteRo mixing technologies. A center for experience, know-how and ideas.

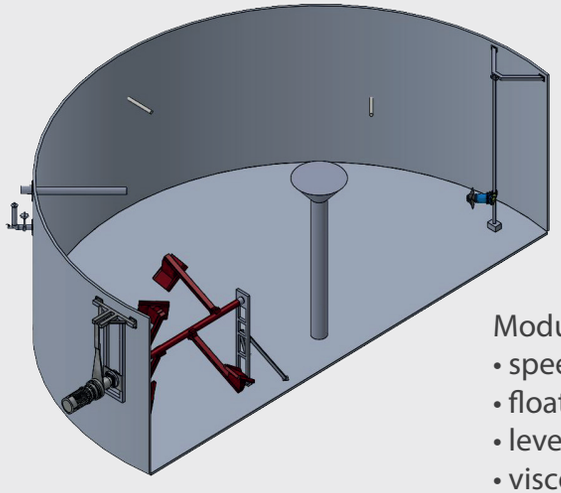
SteRo
mixing technologies

SteRo mixing technologies GmbH
Gerhart-Hauptmann-Str. 41
48703 Stadtlohn
Germany

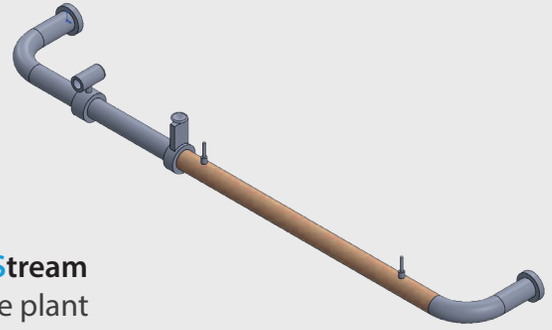
Tel. +49 (0)2563 20888-80
info@stero-tech.de
www.stero-tech.de

SensoStream

The next level of monitoring and optimization up to automated control



Modular system **SensoStream**
- speed measurement
- floating layer detection
- level measurement
- viscosity measurement



Advantages **SensoStream**
- optimization of the plant
- energy saving
- maximum gas yield
- early detection of faults
- real-time measurements

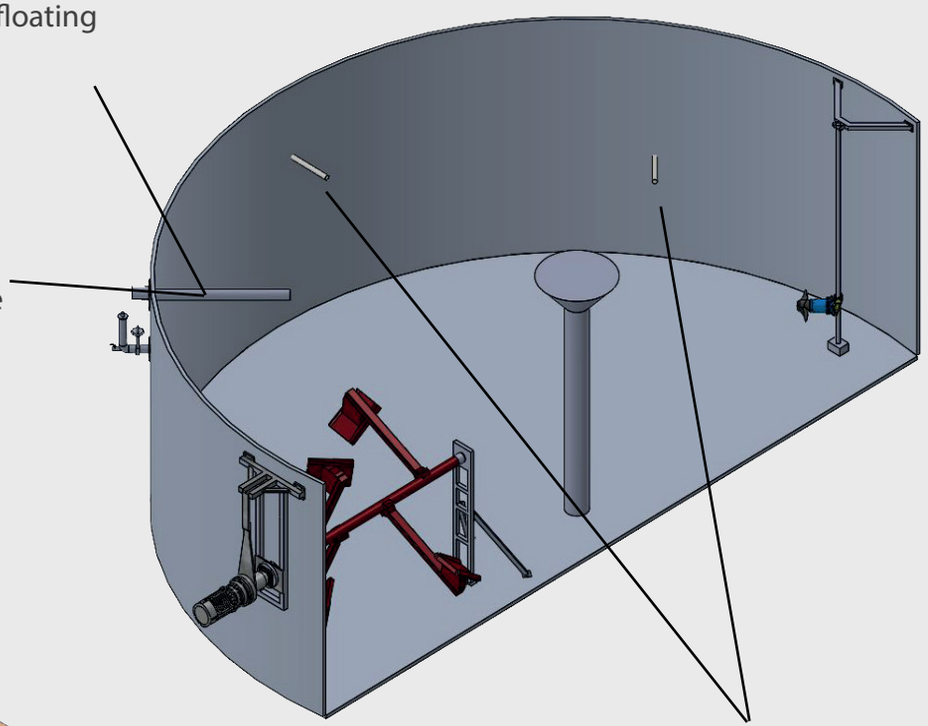
SteRo
mixing technologies

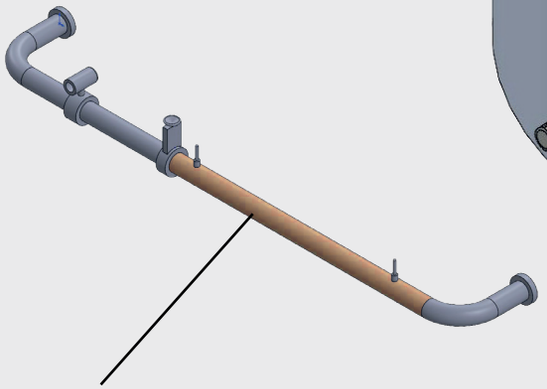
SensoStream

The intelligent modular system for your biogas plant

Floating layer detection
Floating layers in biogas plants reduce biogas from rising out of the substrate. Floating layer sensors can detect the formation of a floating layer in good time and thus prevent it.
When a floating layer is detected, the **SensoStream** issues a warning signal so that the agitators can counteract the floating layer directly.

Level measurement
The sensors of the **SensoStream** measure the filling level in the container in real time.





Viscosity measurement
The **SensoStream** enables permanent monitoring of the agility of the substrate. Since the large number of input materials used continues to increase and can vary greatly over the year, monitoring makes sense.
If the tolerance range is undershot or exceeded, the system operator receives a warning signal from the **SensoStream** so that the latter can take countermeasures as early as possible in order to avoid carvings and deposits.

Speed measurement
The calibrated sensors of the **SensoStream** are brought in from the outside (even if the container is already filled).
The sensors can continuously measure the speed of the substrate. If a set range is not reached, the **SensoStream** emits a warning signal so that the agitators can be switched on or off accordingly. In this way, deposits in the container are avoided and the substrate is kept in a speed range that is optimal for the fermentation process.