

LOHSE presents a pioneering feat in the field of disposal technology

In the paper, chemical, waste and air technology sectors, Maschinenbau Lohse GmbH stands for vision and innovation with its equipment and machinery, and has gained an excellent reputation as a machine manufacturer on a world-wide scale. In the renewable energies sector, such as waste technology for example, Lohse is a provider of equipment for breaking down biowastes as a precursor to the production of biogas. "For us, there is no waste; we speak of recyclables," the two directors, Ulrich Sekinger and Dietmar Warnke, emphasised in an interview with *Wirtschaft Regional*.

New development for biowaste treatment

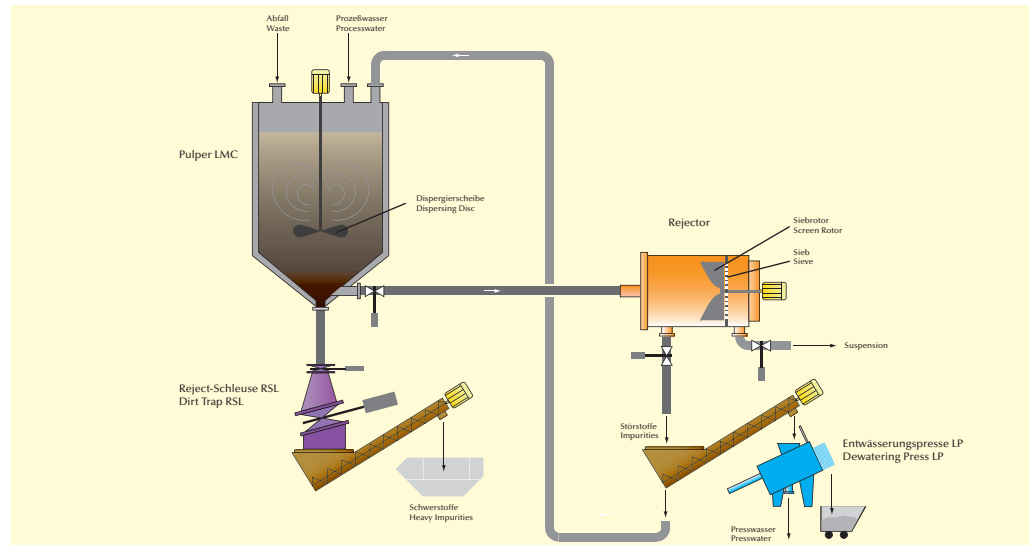
The plant in Heidenheim-Oggenhausen has chalked up another success in terms of environmental protection, specifically in the field of biowaste treatment. The background to this is that the current version of the quality requirements for fermentation products from renewable sources as defined by the Federal Compost Quality Association monitors strict compliance with the standards and criteria like a hawk. Lohse GmbH has developed a unit that meets and even exceeds these requirements, being capable of reducing the percentage of light-weight plastics and impurity levels in relation to the dry matter

to 0.01%. The statutory regulation requires detectable impurities to be limited to less than 0.5 percent. „We more than comply with the standards“ is the proud boast at Lohse. The unit has been developed beyond the paper sector and is now regarded as a ground-breaking achievement in the field of contaminant separation.

The first unit was delivered to southern Germany in 2016 and is successfully being used there. The initial ideas date back eight years, when a rejector for restaurant waste was supplied to France. "Our team can be very proud of completing a successful development project, making a significant contribution towards protecting the environment," the two directors unanimously exclaimed. Lohse rejectors create a highly-effective cleaning unit for processing biowaste and are pioneers in the field of waste technology.



the newly developed unit, which stands in southern Germany



The rejector is used as a screening machine and serves to purify and break up a raw suspension from bio-mechanical wet treatment equipment, paper pulpers or collection tanks.

Another unit soon on its way to Denmark

The technical perfection and excellent efficiency of the unit installed in southern Germany received a positive response. Another unit will be on its way to Denmark at the end of April. If this has the desired results, the customer has already announced the purchase of another unit. Lohse is now preparing to continuously market this innovative disposal technology – for example, from 14 to 18 May at the world's leading trade fair for environmental technology (IFAT) in Munich. There the company will be looking to identify more customers in this segment who will

need to upgrade in the near future. The situation looks good because there is a significant need to upgrade in order to meet the quality requirements for fermentation products from renewables. The two directors are keen point out that a test unit is available for loan at the Heidenheim-Oggenhausen site to demonstrate its efficiency. The new Lohse units are available in three different sizes in order to meet customers' output requirements.

Innovation and cost-effectiveness

Innovation and environmental protection are "just" one aspect. The newly developed unit is also extremely cost-effective for the

customer due to low follow-up costs and minimal wear. The Lohse approach is to create a broadly-based, differentiated and flexible company that offers solutions tailored to the customer. Martin Lohse GmbH will thus be presenting its entire valves and fittings range for water, effluent and waste applications at IFAT in Munich. The company is one of Germany's biggest manufacturers of knife-gate valves. Lohse reject gate valves are now the standard in recycled paper factories.



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