

PRETREATMENT FOR BIOPANTS

Efficient particle size reduction



ZLM Bio series™

LHL Industri offers you a sustainable and efficient solution, for particle size reduction of your organic material.

Size reduction is essential for any biogas production, who seeks to exploit their biomass material best possible.

Several studies show a clear correlation between particle size and methane yield, and for maximum digestion, particle size should preferably be just a few mm. or less

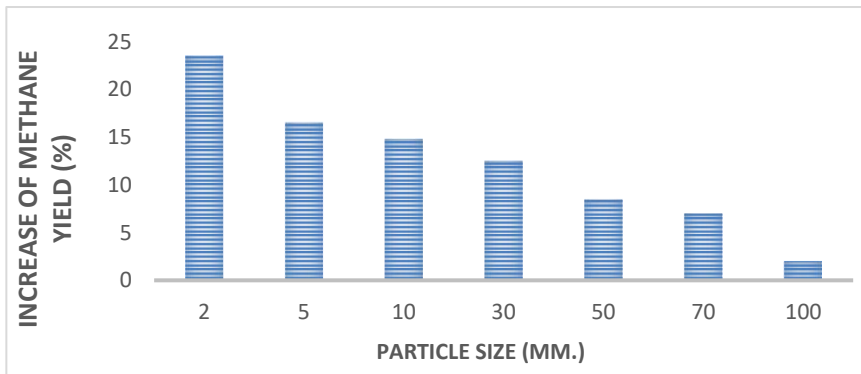


Figure 1; Mshandete et al 2006, Yadvika et al 2004, Angelidaki and Ahring 2000, Tsao 1987, Hills and Nakamo 1984



Organic material before downsizing



Organic material after downsizing



Our milling solutions range from 5 to 60 tons per hour, per unit.
As organic material types can differ a lot, our solutions will be tailored to meet each individual requirement.

- All product affected parts, are made in high resistant Duplex steel, EN code 1.4462
- Our large surface of operation area ensures minimal wear
- Low energy consumption
- Milling construction with over 25 years of excellent experience
- Our units come in either plug-and-play versions or as customized
- Possibility for ATEX-approval
- Cleaning and service-friendly design



Our laboratory unit, will demonstrate the expected outcome of your given media.



LHL Industri IVS

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