



LCI

Part of the Nederman Group

Biosolids Sludge Dryer

The perfect solution for drying sewage sludge into sustainable biosolids.



LCI Corporation

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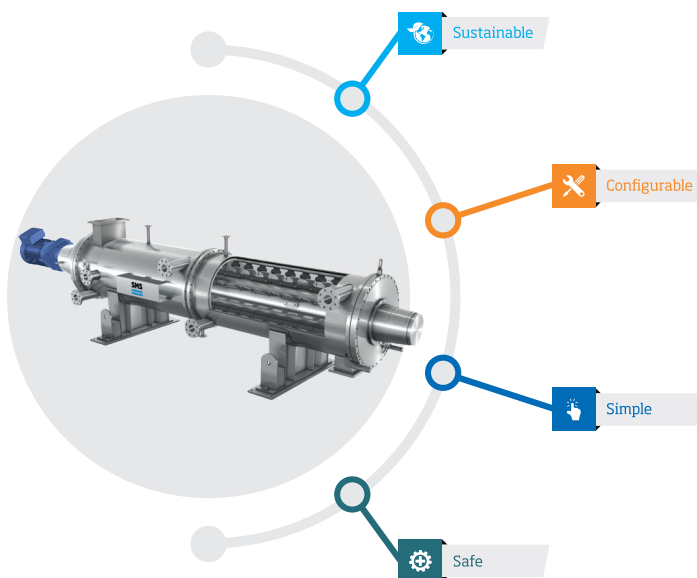
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Thin Film Dryer Features

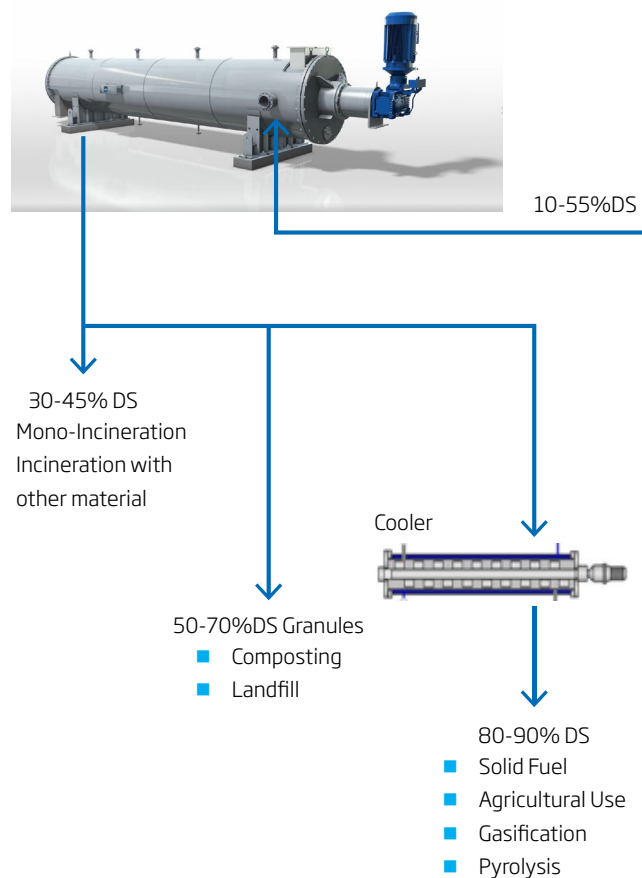


Configurable

- Accepts any **Feed Sludge** including sticky, pasty and liquidy sludges from poorly screened/dewatered or high organic sludges including undigested and industrial sludges.
- Outputs partially or fully **Dried Biosolids** between 30-95% DS in a variety of sizes for many applications with secondary drying and/or post-product pelletization.
- **Construction** can be tailored to fit a building's requirement and fit existing buildings with small overall footprint or low head space.

Sustainable

- Low **Energy Usage** to mitigate climate change with optional heat recovery to minimize carbon footprint.
- Adaptable to **Process Changes** allowing the system to fit current or future processes.
- Low **Cost of Ownership** including capital, installation, operation, and maintenance.



Possible End Uses for Thin Film Dryer's Product



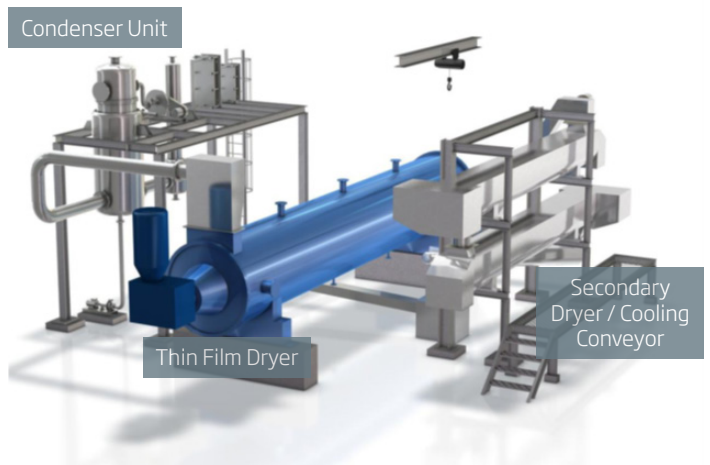
Biosolids Sludge Dryer

Simple

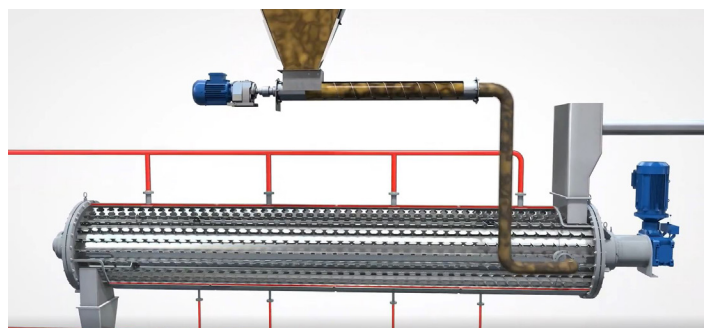
- Dryer requires **no back-mixing** or extruder systems for feeding as sludge is directly pumped into the dryer.
- **Small exhaust vapor** stream lowers electrical use and emissions control requirements.
- Single non-heated auger requires **no alignment and no heating fluid**.
- Automated **Operation** allows 24 hr/day operation or quick startup and shutdown (emptying in less than 15 minutes) for short operational hours.
- Single, simple, bolted blades and preconfigured trolley system allow quick and easy **Maintenance** at the operation floor level.

Safe

- Designed as an indirect dryer with inert drying atmosphere for **Safe** operation.
- Negative pressure pulls dust and contaminated air into the dryer away from the operational area.



Thin Film Dryer system with Condenser, Secondary Drying System and Cooling Conveyor



Feed sludge directly pumped into the dryer.



Bolted blade system



Preconfigured trolley system for blade maintenance.

Proven:

- Developed by our partner, Buss-SMS-Canzler
- World's No. 1 in Thin Film Drying Technology
- Experts in Sewage Sludge Drying
- Drying Sludge for over 30 years
- Over 100 installations
- In US Service since 2008

