

SHTS DRYER

steam heated twin screw

連続式低温乾燥装置



SHTS搭載: 連続式低温乾燥装置



再資源化あるいは原料、材料製造のための乾燥が目的(連続式) 乾燥させるだけではない

水分率 液体乾燥前90% ~ 乾燥後~0%

原料





水分率>0%以下

水処理後 脱水





水分率<10%以下

下水汚泥

再資源化



燃料



土壌改良材 肥料



セメント



原料、固形物、汚泥まで

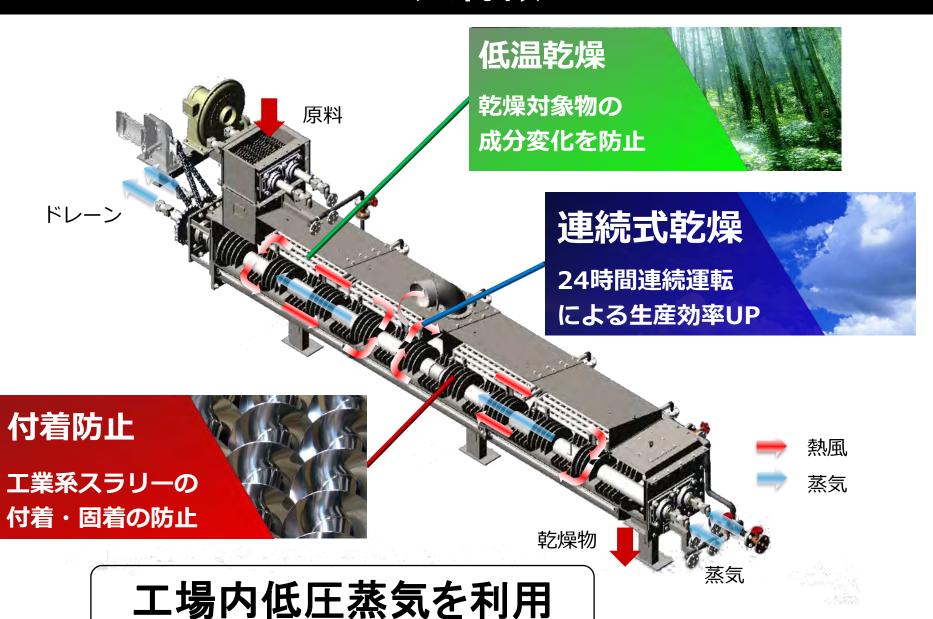




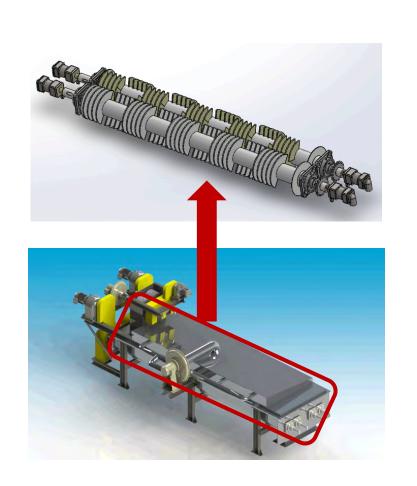
SHTS KENKI DRYERS - Continuous dryers for sludge and pasty product



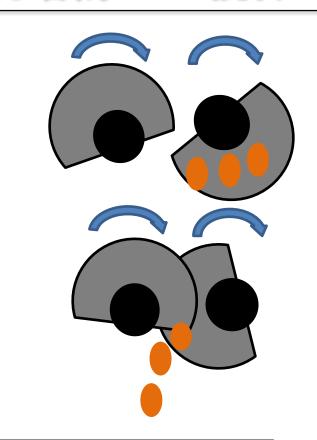
3大特徴



汚泥付着防止機構 SHTS technology

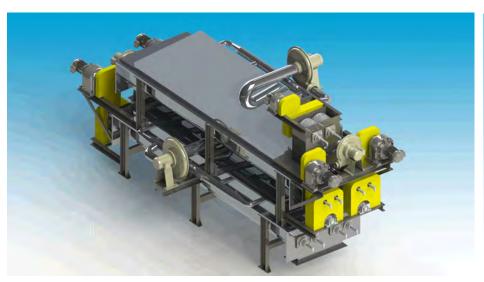


付着物を羽根が剥がしながら回転 ・付着防止 ・撹拌



当社開発技術(SHTS)国内特許出願済 海外出願 フランス、アメリカ

処理能力





投入量(50kg~2000kg/時間)

仕 様

型式	投入量	蒸気量	電気量	寸法	重量
	kg/hr	Kg/hr	kW/hr	mm	ton
TS-2L-0.5	50	60	3.4	1300(W) × 5300(L) × 1500(H)	2.5
TS-2L-1	100	120	5.7	1800(W) × 5300(L) × 1800(H)	4
TS-2L-5	500	600	12.4	2800(W) × 6300(L) × 2500(H)	11
TS-2L-10	1,000	1,200	24.2	2800(W) × 12300(L) × 2500(H)	22
TS-2L-20	2,000	2,400		受注生産	

仕様条件

投入前水分率 80%W.B. 乾燥後水分率 20%W.B. (蒸気圧力:0.5Mpa)

材質:SUS304 or SUS316L

試運転













下水汚泥 水分率80%⇒20%

KENKI DRYER Distributor&Agent

フランス: ETIA(EU地域)

韓国:エコネット(株)



ETIA (Partner in France)





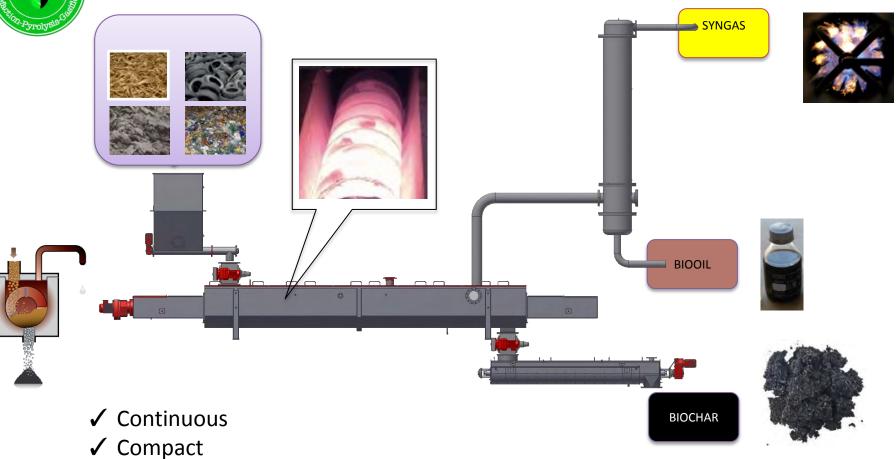
ENVIRONMENT & ENERGY-RELATED TECHNOLOGIES



Innovative & Sustainable solutions for Industry

Tours de la constant de la constant

CONTINUOUS PYROLYSIS PROCESS



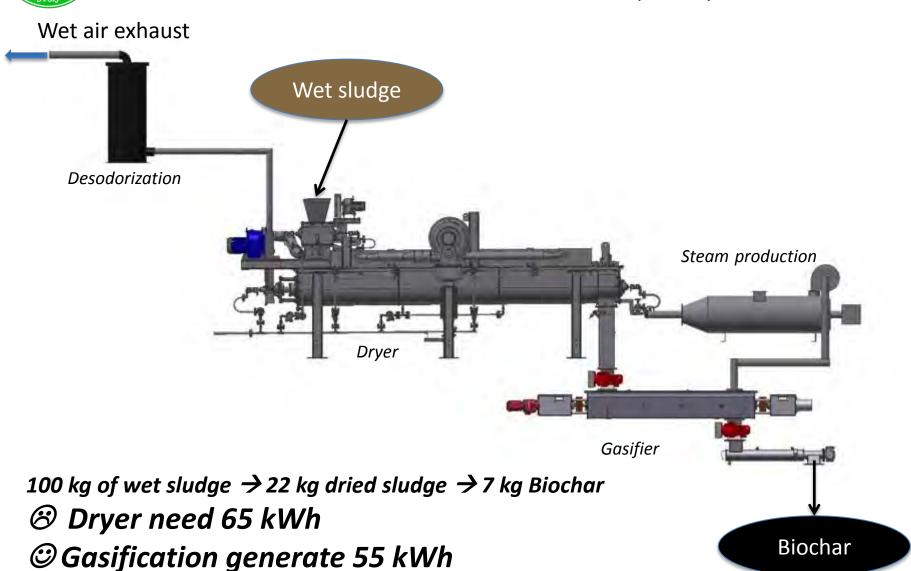
- ✓ Can treat all shapes
- ✓ High heat transfer coefficient → Short dwell time → Low volume → Safe system
- ✓ Easy monitoring
- ✓ Low maintenance
- ✓ Spirajoule technology: industrial proven technology 87 units installed
- ✓ Up to 5 m3/h per module



MUNICIPAL SEWAGE SLUDGE BIOGREEN APPLICATION



HIGH TEMPERATURE PYROLYSIS (850°C)



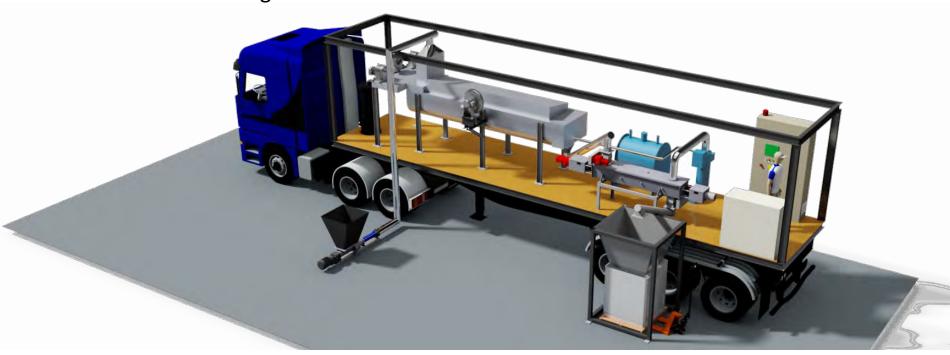


MUNICIPAL SEWAGE SLUDGE BIOGREEN APPLICATION





PYROTRUCK CONCEPT 10 000 PE – 100 kg/h of wet sludge





ENChIE 2015 Tarragona

7th European Meeting on Chemical Industry and Environment

Tarragona, 10 - 12 June 2015

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EMChIE-2015, the 7th European Meeting on Chemical Industry and Environment, will take place at the Universitat Rovira i Virgili, in Tarragona, Spain, during 10-12 June 2015.

The rising concern of the society about the impact of its activity at planetary scale is forcing the application of increasingly stringent environmental regulations, which constitutes a challenge for the chemical industry of the 21st century as it is a significant contributor in the generation of carbon dioxide, energy consumption, depletion of raw matter and environmental pollution.

However, in the pursuit of a sustainable development for an industrialized society, chemical industry must continue playing a critical role by supplying new products designed under green chemistry and engineering criteria, more efficient and cleaner processes, with improved use of matter and energy, more respectful for the environment, and with lower generation of wastes and wastewater.

The European Meeting of Chemical Industry and Environment (EMChIE)



EMCHIE, 10-12 June 2015

Universitat Rovira i Virgili