

# Sludge Waste New Drier [SHTS technology]

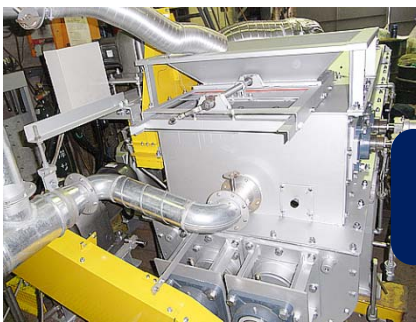
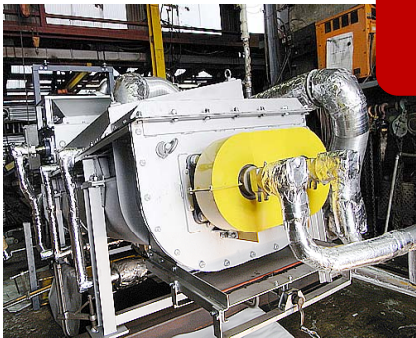
Reduces water content in sludge, food waste, or other wastes to allow for use as fertilizer, compost, feed, or *fuel*

*Composition does not change* through the low-temperature drying process

So any sticky waste can be dried without clogging the drier

Chewing gum, starch syrup or caramelized type foods  
So any sticky waste can be dried *through the low-temperature*

## New Drier Appearance



## Can dry liquid-like sludge

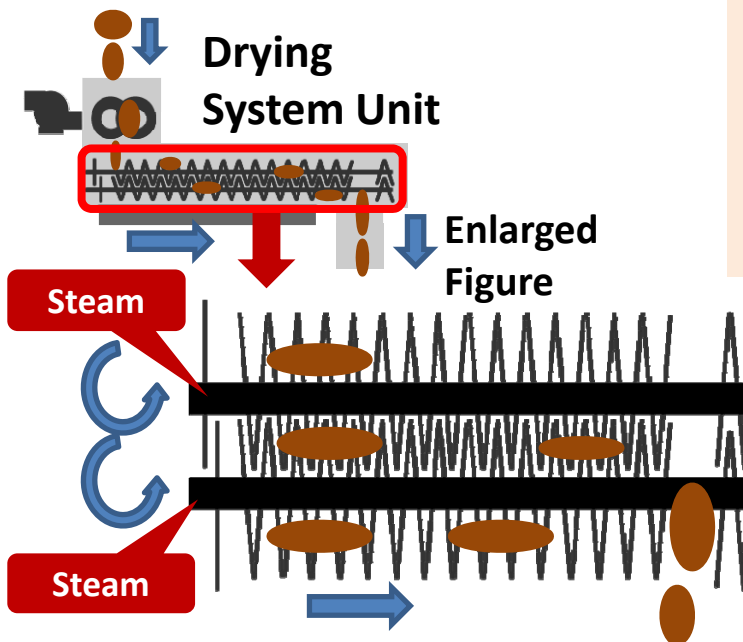
Low-pressure steam drying is at least three times as efficient as hot-air drying.



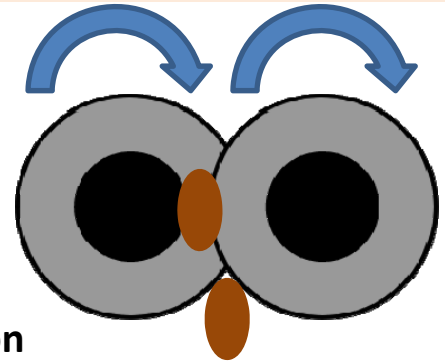
Dry with surplus steam



# SHTS(Steam Heated Twin Screw)technology



Adjacent blades scrape away any sticky material as they rotate and solids are crushed for processing, which prevents clogging and enables a complete drying system



Patent Application

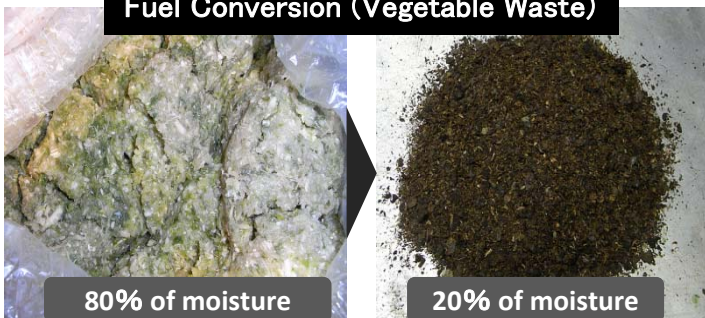
Fertilizer Conversion (Food Waste)



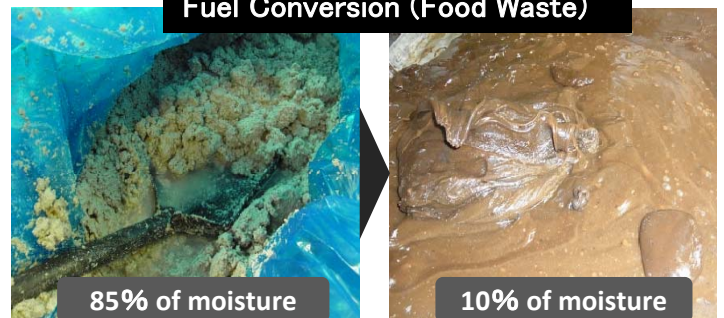
Fertilizer Conversion (Food Waste)



Fuel Conversion (Vegetable Waste)



Fuel Conversion (Food Waste)



2010, 2011 K—RIP (Kyusyu Recycle and Environmental Industry Plaza) Adoption  
 2012 JETRO (Japan External Trade Organization) Adoption  
 2011, 2012 Kyushu University Joint development



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