

Reduces water content in sludge, food waste, or other wastes to be reused as fertilizer, compost, fodder or fuel



SHTS

New Dryer

Steam Heated Twin Screw Technology

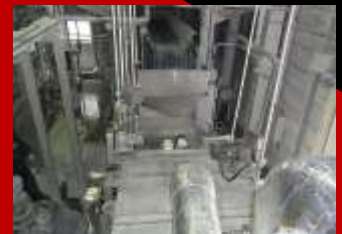
Component does not change through the low-temperature drying process

Any sticky waste can be dried without clogging the dryer

Drying with surplus steam

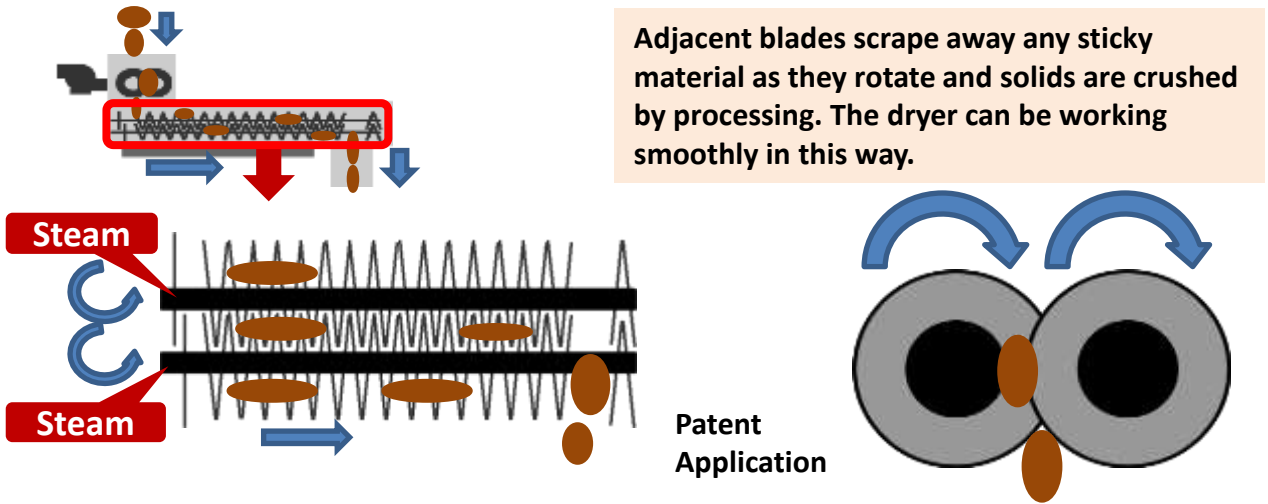


Low-pressure steam drying is at least three times more energy-efficient than hot-air drying

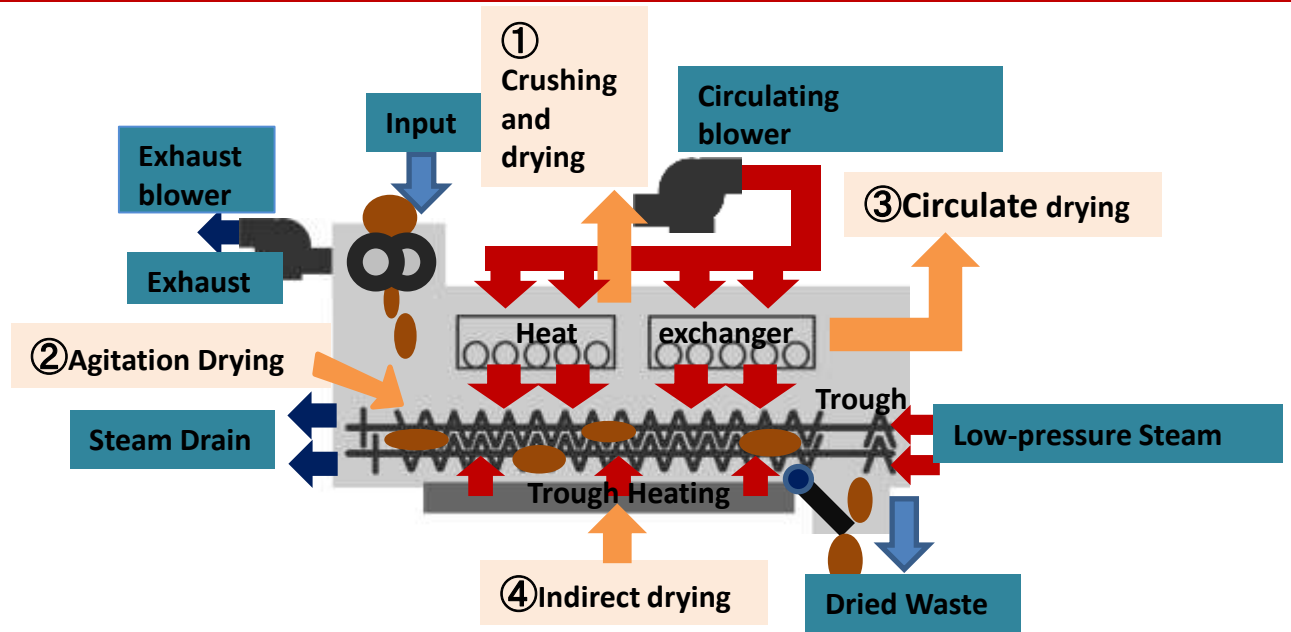


Chewing gum, starch syrup or caramelized type foods
So any sticky waste can be dried *through the low-temperature drying*

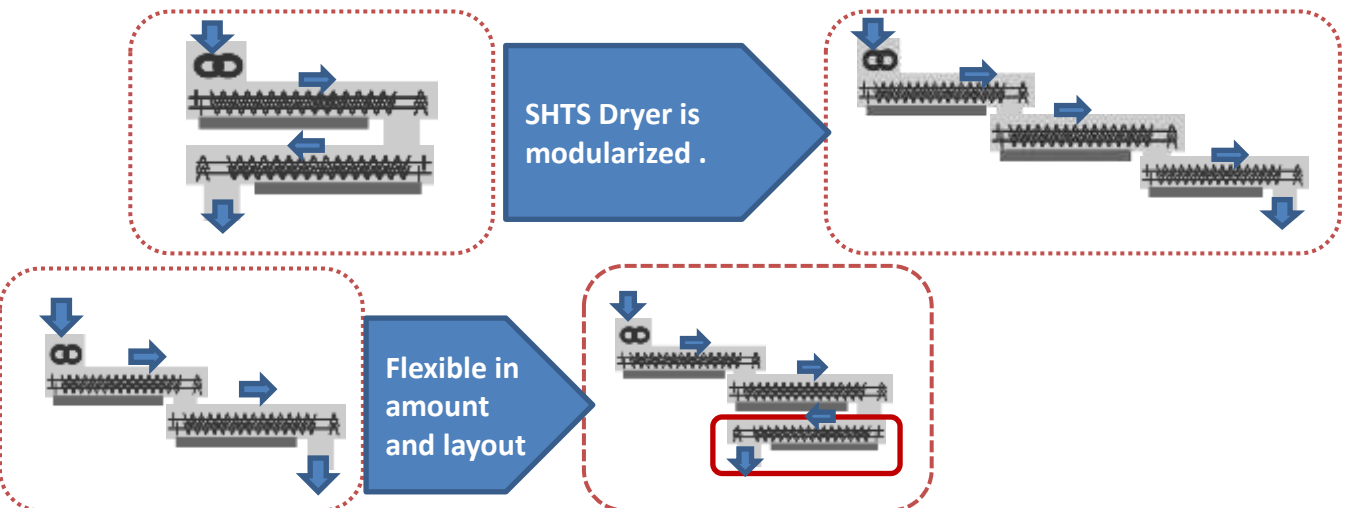
SHTS(Steam Heated Twin Screw) Technology



Four methods of drying process are working in the same time



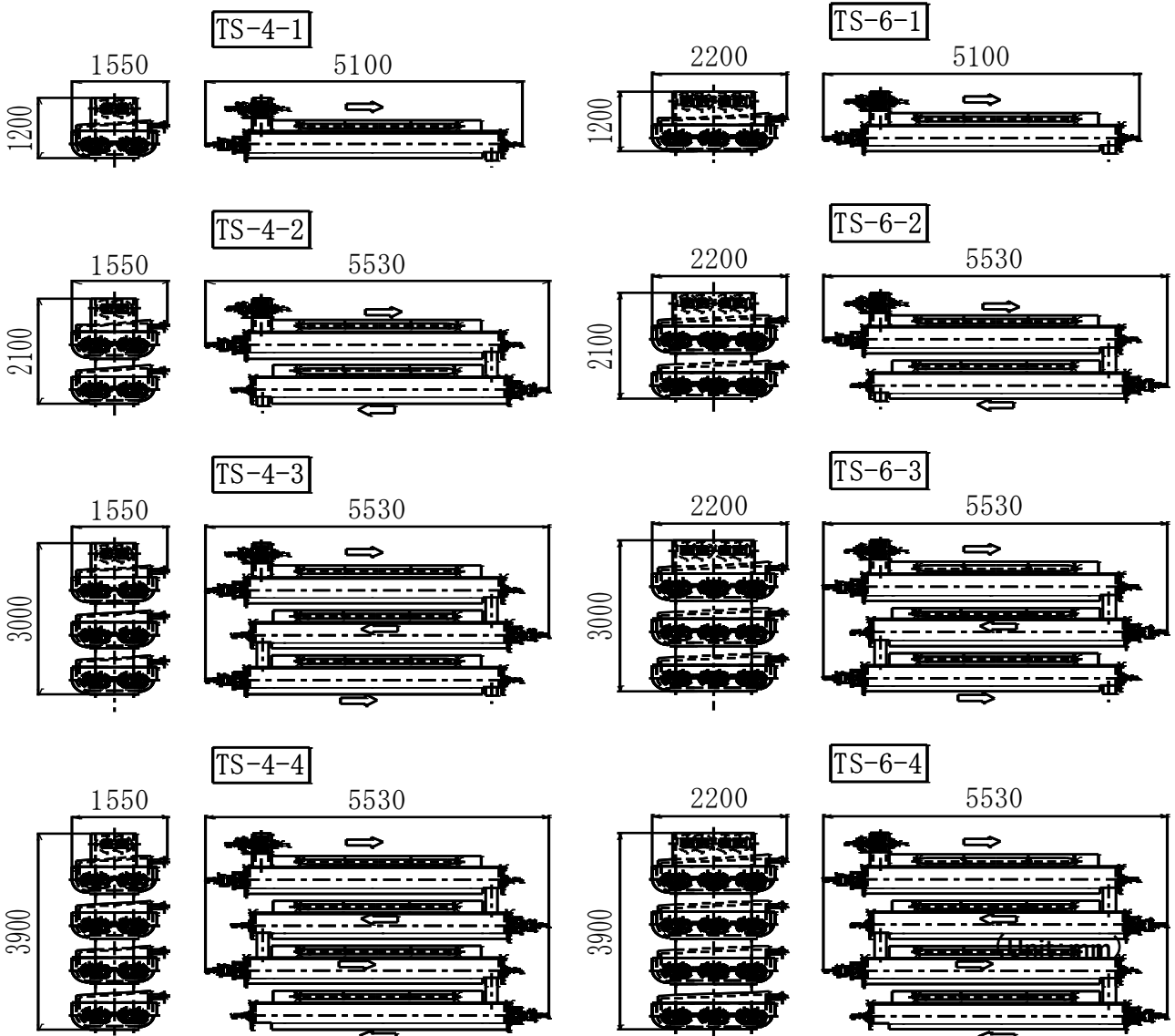
SHTS Dryer is modularized



Specification & Outline Dimension

Assuming that the water content of waste is 80% before drying
and 20% after drying (Heat source:5bar pressure steam)

Model	Input	Steam	Electricity
	kg/hr	Kg/hr	kW
TS-4-1	100	120	5.8
TS-4-2	200	240	11.2
TS-4-3	300	360	18.2
TS-4-4	400	480	25.2
TS-6-1	150	180	10
TS-6-2	300	360	19
TS-6-3	450	540	28
TS-6-4	600	720	37



Reusing as fertilizer, compost, feed, or fuel

Turn into fertilizer (Fish Waste)



Turn into fertilizer (Ginger Waste)



Turn into fuel (Vegetable Waste)



Turn into fuel (Meat Waste)



Outstanding Achievement

Year	Client	Waste	Purpose
2006	TOYOTA Auto Body Subsidiary	Paint sludge	Volume Reduction
2007	Accompany in Korea	Food residue	Fertilizer
2009	Mitsubishi Electric	Chemical sludge	Volume Reduction
2011	Kawasaki Heavy Industries	Brown coal	Fuel
2012	Beverage Factory	Used green tea leaves	Fodder

Project History

Year	Events
1964	Factory Establishment
2009	Fukuoka FORSET RESEARCH & Extension Center Cooperation development
2010, 2011	K-RIP (Kyusyu Recycle and Environmental Industry Plaza) Award
2012	JETRO (Japan External Trade Organization) Award
2011, 2012	Joint Development With Kyushu University



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