

Sludge-Dryer

- 1968 Awarded by Japan Institute for Promoting Invention and Innovation (JII)
- 1975, 1981 Awarded by JII
- 1979 Awarded by Clean Japan Center (CJC)
- 1975, 1985 Awarded by the Director General of Science and Technology Agency
- 1986 The Medal with Yellow Ribbon (outstanding service) for M. Kojima (founder of KANSAI)
- 1988, 1989 Awarded by the Director General of Small and Medium Enterprise Agency.
- 1990 Awarded by Ministry of Economy, Trade and Industry (METI)
- 1991 Awarded by JII
- 2004 Awarded by the Minister of Culture, Sports, Science and Technology.
- 2009 The Medal with Yellow Ribbon for H. Kojima (current chairman)

Recycle waste sludge with space-saving sludge dryer by lower cost!

Compact type sludge dewaterer and dryer with electric heater made it possible to operate automatically. Our sludge dryer is so compact that you can put on a truck not only fixed in one place. In Japan such portable type sludge dryer is used for recycling sludge for some sewage treatment facilities by one truck.



Fixed type



Portable type

Characteristics

Reduce Sludge Volume and Disposal Cost

Drying or carbonization of sludge will enable us to recycle it as a fertilizer as well as to reduce the volume of sludge and disposal cost.

Fully Automated, Unattended Operation

24-hour automated operation will lead us to process relatively larger amount of sludge for smaller plant.

Space-Saving and Portable

Portable type sludge dewaterer and dryer on a truck can go to some water treatment facilities and recycle sludge. So one truck will cover multiple places.

Specification

Item	Dryer	Carbonization plant			
		TN-10FK	TN-20FK	TN-50FK	TN-70FK
Series	TN-10FKE	TN-10FK	TN-20FK	TN-50FK	TN-70FK
Heat source	Electric	Burner (gas, oil)			
Capacity for concentrated sludge	267kg/h	267kg/h	700kg/h	1,334kg/h	2,000kg/h
Capacity for dewatered sludge	26.7kg/h	26.7kg/h	70kg/h	133.4kg/h	200kg/h
Capacity equivalent for dry solid	4.0kgDS/h	4.0kgDS/h	10.5kgDS/h	20.0kgDS/h	30.0kgDS/h
Sewage population	max 3,000 24-hour operation	740	2,000	3,700	5,600
Portable	OK	OK	OK	OK	NG

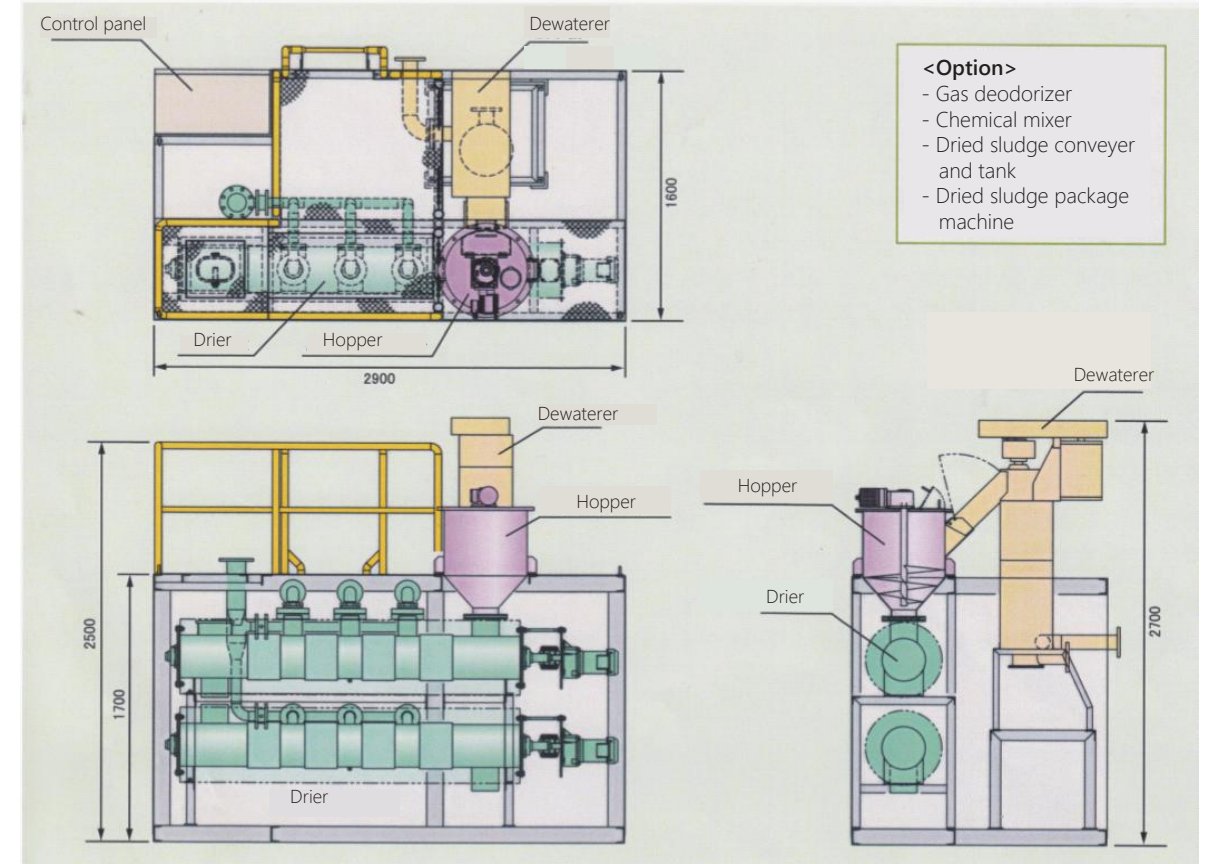
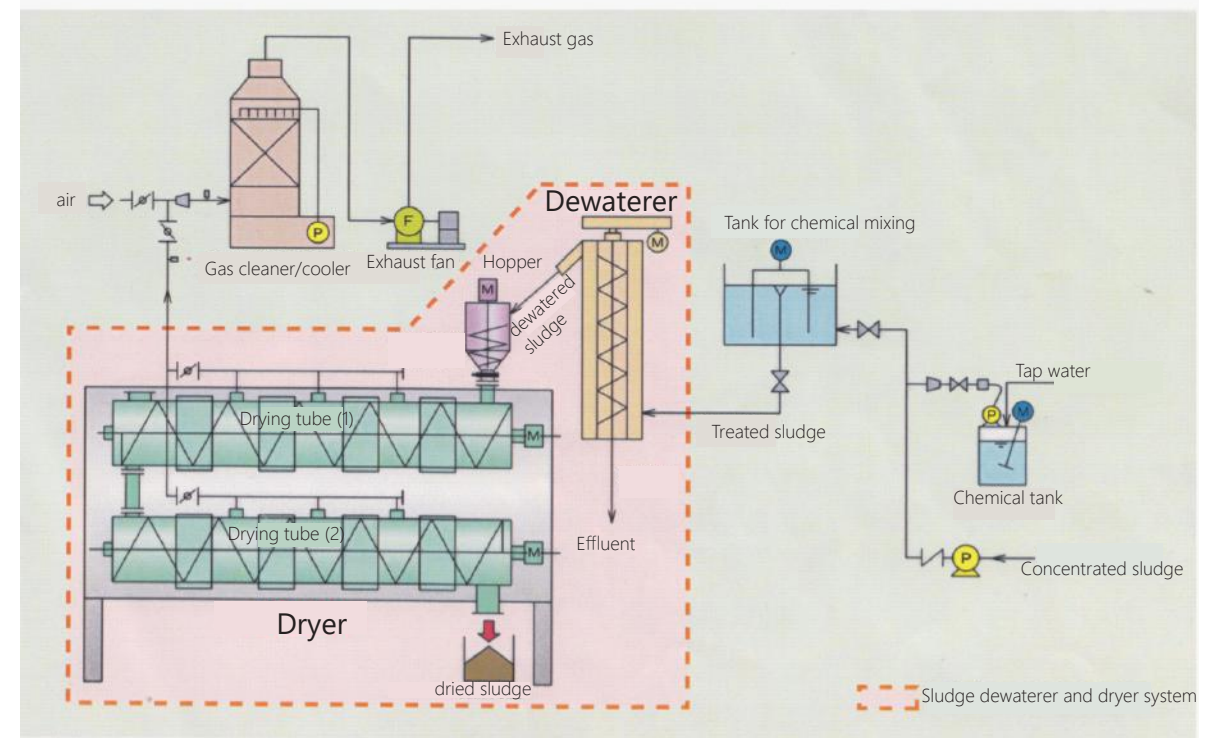
※ We will suggest the best specification of sludge dryer by your sludge properties. Please feel free to contact us.

▲ Read carefully instruction manual before operation

Burner type sludge carbonizing plant

Carbonization of sludge by pyrolysis of organic matters is possible by burner type plant. Tar produced through carbonization will be burned, so our plant is environmental friendly and energy-saving. Also the exhaust fan can be optimally controlled, so it will save fuel consumption.

Flow chart



Reduction of Disposal Cost

When you dry sludge from 85% of moisture content to 5%, then the weight will be about one fifth. Furthermore, when you succeed to utilize the dried sludge as fertilizer, the disposal cost will be zero. Dried sludge often contains phosphorus (P) abundantly, which will help plant growth. Such kind of activity will contribute to environment by reducing waste and making a recycling society.