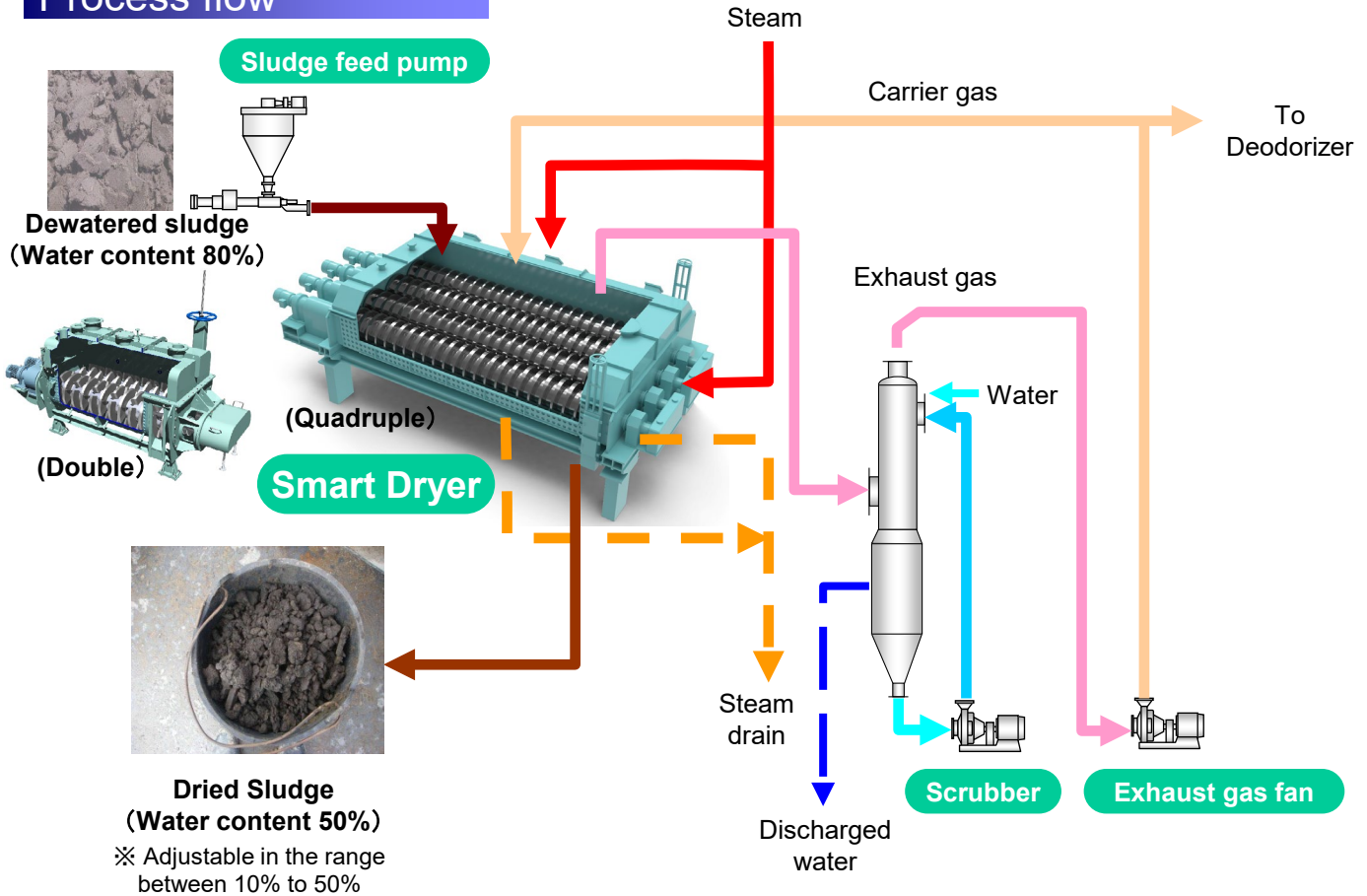


MITSUBISHI Smart Dryer (Double / Quadruple Disk type dryer)

Waste to Energy

Process flow



Features

■ Highest efficiency = Less steam consumption

Mitsubishi Smart Dryer is one of the highest efficiency dryer in sewage sludge treatment field, and can achieve less steam consumption.

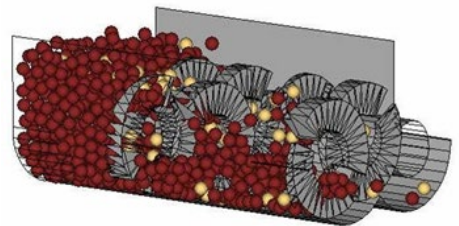
■ Suitable for sticky sludge in Asian countries

Because of its unique shaped disks and double/quadruple rotating shafts, Mitsubishi Smart Dryer can dry various sludge stably, even very sticky sludge in Asian countries.

■ Utilization as Biomass fuel

The dried sludge can be utilized as biomass fuel in a boiler, cement kiln and Waste to Energy facility etc, because Lower Heating Value (LHV) of the dried sludge is approximate 5,000 kJ/kg to 6,500 kJ/kg (in case of Asian typical sludge at water content rate 40%).

3D Simulation in R&D center



Double/Quadruple disk type

MITSUBISHI Smart Dryer (Double / Quadruple Disk type dryer)

Waste to Energy

Reference plants

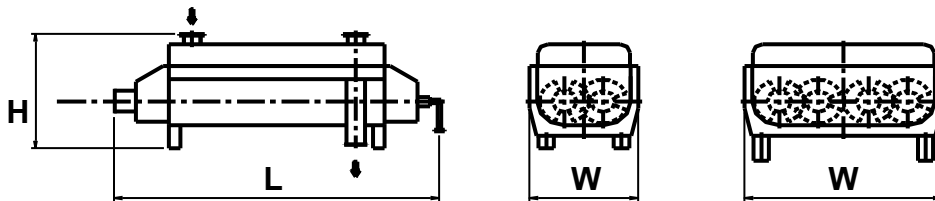


100 ton/day x 4 units in P.R.China
operated since 2018



15 ton/day x 1 unit in P.R.China
operated since 2012

Dimension



Model No.	MSD-24	MSD-80	MSD-100	MSD-120	MSD-200	MSD-240
No. of shaft	2				4	
Length [mm]	5,600	9,700	10,800	11,900	10,800	11,900
Width [mm]	2,200	2,500	3,000	3,000	5,200	5,200
Height [mm]	2,500	2,800	3,500	3,500	3,500	3,500
Weight [ton]	8	21	34	38	67	75

Inquiry

In your inquiry, please provide the following information.

1. Treatment capacity _____ ton/day
2. Source of sludge _____ (sewage/ industrial/ others)
3. Available steam _____ MPaG, _____ degree C
4. Water content of dewatered sludge _____ % at dryer inlet
5. Water content of dried sludge _____ % at dryer outlet



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MITSUBISHI HEAVY INDUSTRIES
ENVIRONMENTAL & CHEMICAL ENGINEERING