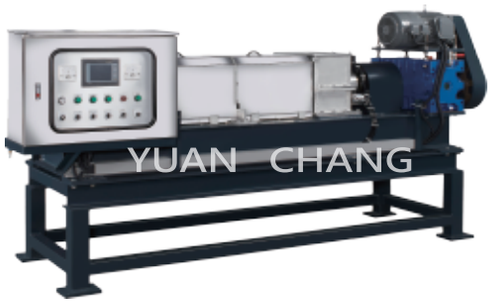
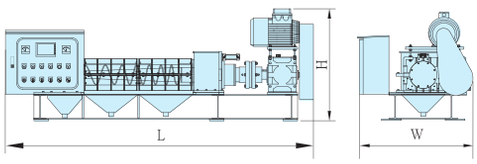
Wastewater (sewage) treatment plant equipment

Screw press dewatering machine

SY-S Series (heavy duty type)





Standard specifications (Contact for customized)

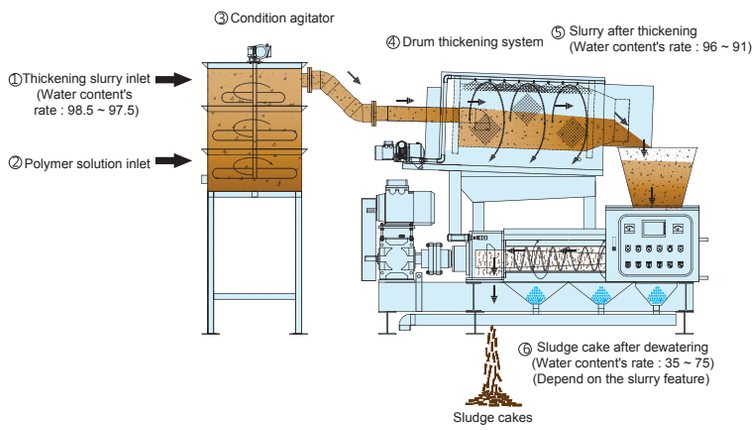
Spec. \ Model		SY-15S	SY-20S	SY-30S	SY-40S	SY-50S	SY-60S
Capacity (D.S. kg/hr) Influent concentration (D.S.1~10%)		20 ~ 50	80 ~ 130	130 ~ 200	170 ~ 270	220 ~ 330	260 ~ 400
Driving horsepower (HP)		0.5 ~ 1	1 ~ 2	2 ~ 3	3 ~ 5	3 ~ 5	3 ~ 7.5
Referance dimension (mm)	L	2800	3050	3400	4300	5450	6450
	W	1020	1100	1200	1300	1400	1550
	H	980	1040	1130	1230	1420	1600
Referance weight (kgs)		980	1270	1760	3480	5560	7600

Remarks:
▲The amount of treatment and moisture content depend on the physical properties, type and solid content of the sludge.
▲The driving horsepower and the amount of processing will vary depending on the physical properties and types of sludge.
▲The specifications are accepted outside the specification, and the company reserves the right to design changes.
▲Please ask for the actual installation dimension drawing before ordering.

Usages

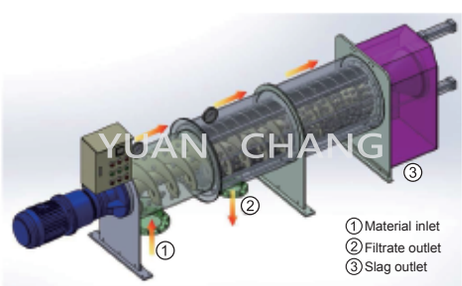
◎Dewatering of paper pulp sludge, dyeing and finishing fiber sludge, leather sludge, urban sewage sludge, flue gas desulfurization sludge, civil engineering residue, animal husbandry manure and so on.
◎The secondary extrusion of the sludge after dewatering by the drum / filter belt can reduce the water content again, and can be reduced from 85% to 35% (depending on the type of sludge), effectively reducing the post-fractional freight.
◎Recycling and dewatering treatment of various waste industries
◎Dehydration of related substances such as dross, fiber, granules, etc. in related industrial manufacturing.
◎Used for those who have extremely high moisture content.

Schematic diagram of direct dewatering of mud and water



Screw type filter extruder

SA Series (filter extrusion type)



Standard specifications (Contact for customized)

Spec. \ Model		SA-10	SA-20	SA-30	SA-40
Capacity (m³/hr)		10 ~ 40	20 ~ 80	30 ~ 100	40 ~ 150
Driving horsepower (HP)		5	10	15	20
Referance dimension (mm)	L	2800	3050	3250	3780
	W	1040	1090	1140	1190
	H	1850	2000	2050	2350
Referance weight (kgs)		800	1050	1200	1680

Remarks:
▲The amount of treatment varies depending on the physical properties, type and solid content.
▲The specifications are accepted outside the specification, and the company reserves the right to design changes.
▲Please ask for the actual installation dimension drawing before ordering.

Relationship of treatment volume and solid content

Solid sludge (DS%)	Capacity (m³/hr)	Model	Usage
1	97	Test machine	Municipal sludge
2	65	Test machine	Municipal sludge
3	60	Test machine	Municipal sludge
4	53	Test machine	Municipal sludge
5	50	Test machine	Municipal sludge
6	45	Test machine	Municipal sludge
7	30	Test machine	Municipal sludge

Features

★Filter press, the solid content of the grid residue after dehydration can reach 45%
★Online pressure filtration system for solid-liquid separation of various sludges and process waters, especially viscous and oil-rich sludge.
★Reduce operating and maintenance costs and improve the safety of subsequent sludge treatment operations, such as concentration, digestion, dehydration, sanitation, drying, etc.
★Solid-liquid separation filter pore size selection range 0.15 to 5mm, also suitable for industrial applications.
★It is suitable for recycling water, saving costs and achieving recycling purposes.
★The sludge filtration treatment capacity can reach 110m³/hr. The process water filtration capacity can reach 150m³/hr (depending on the filter pore size).
★Safe and reliable filter self-cleaning, no need to rinse additional water.
★Automatic taper adjustment to obtain the optimal dewatering value of grid slag.

Usages

It is widely used in sludge filtration or process water filtration. It is solid-liquid separation in a pressure system, and solid impurities are trapped and dehydrated.
Applied to the following media solid-liquid separation:
◎Primary sludge / fresh sludge.
◎Mixing / floating sludge.
◎Grease / digested sludge.
◎Secondary sludge / excess sludge.
◎Fecal sludge.
◎Sewage and sludge generated in industrial production processes.
◎Circle water and process wate.