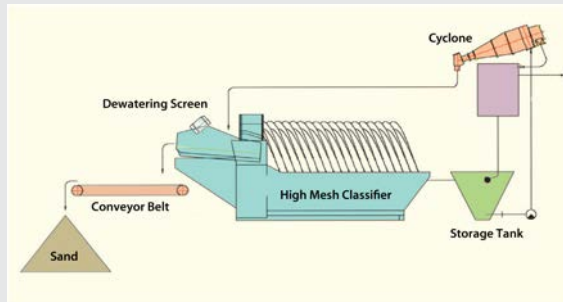


SAND PLANT

1. With the wet sand production system, it recycles stone, sand, river and sewer sludge, sand to produce the sand with the production facilities.
2. It has maximized the crushing force with the improved V.S.I impact crusher and rock & metal anvil technology.
3. Use the classifier for mesh classification up to 160 micron and remarkably minimize the annual cost for pump, cyclone and pipeline materials.
4. From the water processing facilities, large thickener and intermediary storage tank of sludge silo, membrane type of filter press are mutually controlled automatically for most economic and ideal operation.
5. The size of the filter press filtering plate is 2000Wx2400Hx65t that is the largest in Korea, and it uses the PP plate to have light weight and has no deformation compared to the steel structure.

WASHING HIGH MESH CLASSIFICATION

1. This equipment processes simultaneously for sand washing, sludge high mesh classification and dewatering.
2. The dewatering screen of the high mesh classifier and the cyclone are organized in one unit.
3. Two-stage sludge high mesh classification (stage 1 for H.M classifier and stage 2 cyclone high mesh classification) for 200mesh or below is to remove the sludge alone to produce the complete quality of sand



CLASSIFIER

1. High degree of sand distribution and withdrawal of small grain sand for high intensity.
2. The adjustment of Mesh size is available up to #100 ~ #200

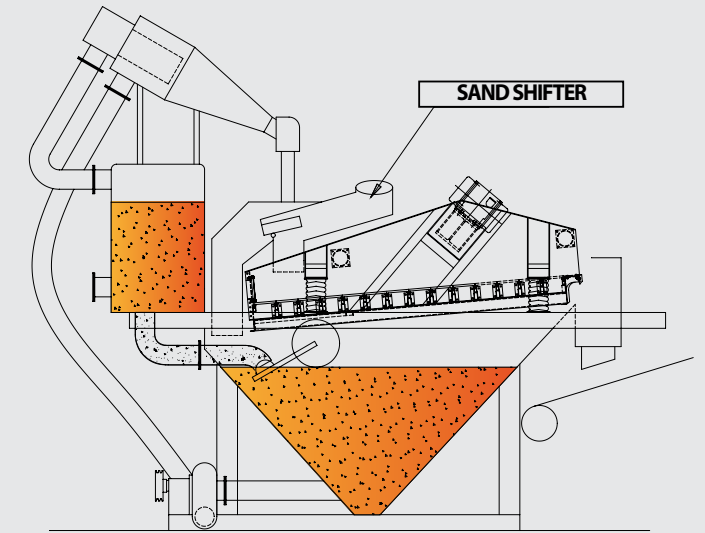
SAND UNIT AND DEWATERING SCREEN

1. High efficiency of classification
2. Convenience of installment at the small space
3. High efficiency of dewatering

GREAT DEAWTERING EFFICIENCY

1. Getting the best efficiency to use after production immediately.
2. Polyurethane meshes are used and can be available to exchange partly in case of wearing of them.
3. As an attached of Vibrating Motor, the strong vibration occurs simultaneously available to adjust amplitude of vibration according to physical properties of sand.

SAND UNIT AND DEWATERING SCREEN



HIGH MESH CLASSIFIER AND CYCLONE SPECIFICATION

Model	Capacity (TPH)	Water Quantity (m ³ /h) Cut Point			Dimensions			Motor (kW)	R.P.M	Dewatering Screen	Cyclone
		200 Mesh	150 Mesh	100 Mesh	Spiral Diameter (m)	Bucket Diameter (m)	Tank Length (m)				
XTC-3650	120 ~ 140	190	250	400	3.0	3.6	5.0	7.5 x 1/289	1~2	DS-1024	Φ 650
XTC-3660		230	320	500			6.0				
XTC-3670		280	370	600			7.0				
XTC-4260	180 ~ 210	260	360	570	3.5	4.2	6.0	11 x 1/289	1~2	DS-1530	Φ950
XTC-4270		320	430	700			7.0				
XTC-4280		370	500	800			8.0				
XTC-4860	210 ~ 300	290	400	630	4.1	4.8	6.0	15 x 1/289	1~2	DS-1833	Φ1100
XTC-4870		350	470	770			7.0				
XTC-4880		410	550	800			8.0				
XTC-5470	320 ~ 420	530	720	1150	4.7	5.4	7.0	19 x 1/289	1~2	DS-2145	Φ1100

SAND UNIT SPECIFICATIONS

Sand Unit	Sand Pump		Cyclone	Dewatering Screen			Dimensions						Weight Ton
	Size	kW		Type	Type	Area	kW	A	B	C	D	E	
300 x 100	6"	30	650	10 x 24	2.5	2.2 x 2	4000	2100	6200	3500	2000	4400	4.a
400 x 100	8"	37	900	10 x 24	2.5	2.2 x 2	4000	2400	6900	3500	2100	4950	5.4
500 x 100	8"	45	900	10 x 24	2.5	2.2 x 2	5200	2400	7450	3800	2100	5000	5.9
500 x 160	8"	45	900	15 x 30	4.5	4 x 2	5200	2400	7450	3800	2100	5000	7.9
600 x 100	10"	45	1100	10 x 24	2.5	2.2 x 2	4100	2400	8000	3950	2300	5000	6.2
600 x 160	10"	45	2 x 650	15 x 30	4.5	4 x 2	4100	2400	8000	4150	2300	5000	7.9
600 x 200	10"	55	2 x 650	18 x 33	6	4 x 2	4100	2800	8400	4200	2300	5000	8.5
800 x 160	10"	75	2 x 900	18 x 33	6	4 x 2	4530	2800	8400	4200	2300	5000	9.2
800 x 200	10"	90	2 x 900	18 x 33	6	4 x 2	4530	2800	8400	4200	2300	5000	9.8
800 x 300	12"	90	1100	21 x 42	7.6	22	4530	2800	9200	4200	2300	5000	11

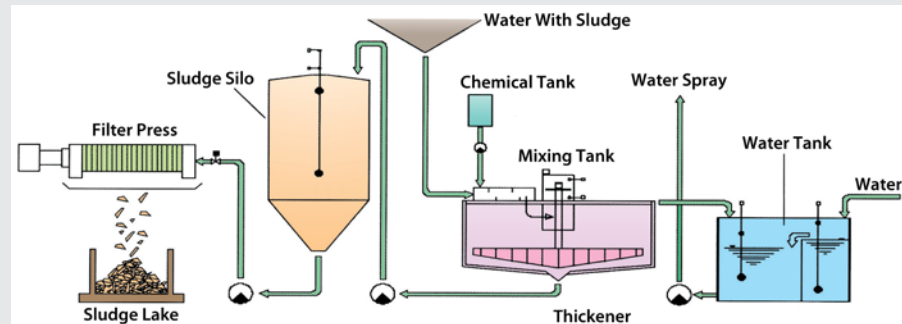


Model	Deck	Size W x L (mm)	Capacity TPH	Slope	Motor(kW)
XTDS-1024	1	1000 x 2400	80 ~ 120	5°	2.2 x 2
XTDS-1530	1	1500 x 3000	140 ~ 170	5°	4 x 2
XTDS-1833	1	1800 x 3300	170 ~ 220	5°	4 x 2
XTDS-2145	1	2100 x 4500	220 ~ 300	5°	22
XTDS-2151	1	2100 x 5100	250 ~ 330	5°	30



WATER TREATMENT SYSTEM

1. Overflowed water at the high mesh classifier is transferred to mixing tank and after agitation of high grade molecular cohesion without power finally transfer to a setting tank.
2. The density of chemical medicine and is available to control automatically.
3. Concentrated sludge is transferred to saving tank temporary.
4. Water shall be recovered at the thickener and sludge shall be going out as a shape of cake.



THICKNER

1. It is a kind of concentrated sludge to use scraper.
2. The density of sludge can be adjusted automatically for filter pressing.
3. In case of input sludge quantity increase, self protection system is operating to go up the scraper.

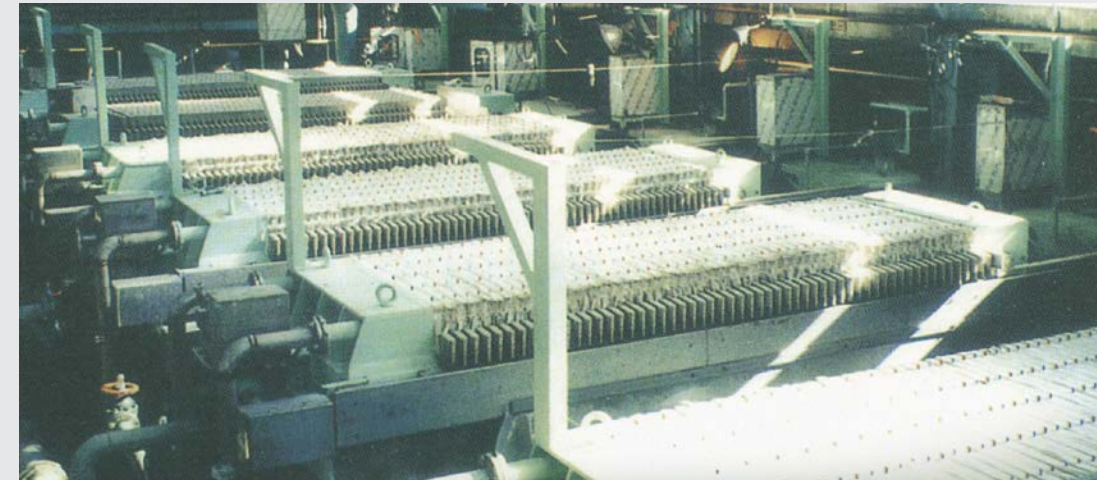


SPECIFICATION

Model	Water Flow Capacity (m ³ /h)	Surface Area (m ²)	Water Volume (m ³)	Sludge Treatment Capacity (m ³ /h)
XTT-10020	300	79	250	20
XTT-10040	300	79	250	40
XTT-12040	450	113	360	40
XTT-12060	450	113	360	60
XTT-15060	700	177	550	60
XTT-15080	700	177	800	80
XTT-17100	1000	227	1000	100

GREAT DEHYDRATION CAPABILITY

1. Both types are available like Membrane and Chamber type, decaking is excellent at the filter clothes due to the dewatering of high pressure type.
2. Decaking time is short due to the taking off six plates simultaneously by one time.
3. Completely automated operation is possible for the filtration, pressing, compression of Core blowing, decaking as well as cleaning of filter clothes.
4. Pressing Cycle time is short and dewatering efficiency is excellent due to the pressing design is 2-20Kgf/cm².



GREAT DEHYDRATION CAPABILITY

Model	XTF1500			XTF2000			XTF2200			XTF2400			
Plate Size (mm)	1500 x 1500 x 98			2000 x 2000 x 96			2000 x 2200 x 110			2000 x 2400 x 110			
Cake Thickness(mm)	58			53			65			65			
Chamber Quantity	80	100	120	80	100	120	80	100	120	80	100	120	
Volume (liter)	8480	10600	13250	14400	18000	22500	19200	24000	30000	21600	27000	33750	
Filter Area (m ²)	272	340	425	488	610	763	552	690	863	608	760	950	
Dimension (mm)	W	2690			3170			3170			3170		
	L	13240	15200	17160	14280	16200	18120	15400	17600	19800	15400	17600	19800
	H	1850			2350			2550			2750		
Weight (ton)	Unloading	35	40	46	51	58	66	58	65	73	63	71	80
	Loading	48	56	66	73	85	99	87	101	118	96	112	131

The treatment capability depends on the moist and injection material.