

1. Introduction



Royal Precision Ind Co., Ltd.

Country: Republic of Korea

Company Address: 6, Seongseogongdan-ro 25-gil, Dalseo-gu, Daegu

Business field: Sludge dewatering equipment manufacturing

Main item: Decanter centrifuge, Screw press, Filter press

Annual revenue: 20 million dollars(2020)

Date of Establishment: 01/05/1986

2. OFFICE & FACTORY

**1) Main Factory
(DAEGU-CITY)**



**2) NEW Factory
2020 Installed
(DAEGU-CITY)**



**3) Bluewin Co., Ltd.
Overseas Marketing
(SEOUL-CITY)**





KOWATS : Decanter Centrifuge

► **Over 70% WWTP Market Share in South Korea**

1. 35 years Accumulated know-how for Performance & Safety
2. Over 3,000 units, 1,000 work-sites References
3. Top quality A/S for Professional Engineer departure within 24hours from emergency call





KOWATS : Decanter Centrifuge

- **High-capacity** Centrifugal Dehydrator
- **Low-energy** consumption with the best performance
- Suitable for sludge treatment with **high-speed & Safety**
- **Green Technology** of LV Motor & Large volume machine



■ Specification

Easy Operation & Maintenance
by Multi-Control System



Model	Capacity (m ³ /hr)	Main Motor (kw)	Centrifugal force(G)	Dimension(mm)			Weight (kg)
				L	W	H	
KOWATS-270 D	1~5	7.5~11	2000~2500	2820	800	1010	2500
KOWATS-360 D	5~10	15~22	2000~2500	3340	1000	1180	3000
KOWATS-420 D	10~20	30~37	2000~2500	3920	1050	1320	3500
KOWATS-450 D	20~25	45~55	2000~2500	4060	1100	1340	4000
KOWATS-500 D	25~30	45~55	2000~2500	4500	1150	1390	4500
KOWATS-550 D	30~35	55~75	2000~2500	4030	2250	1150	5200
KOWATS-610 D	35~45	75~90	2000~2500	4245	2300	1180	6800
KOWATS-650 D	45~50	75~90	2000~2500	4600	2400	1200	7200
KOWATS-720 D	50~65	90~110	2000~2500	5015	2600	1670	8000

Input 2% TS, Activated Municipal sludge

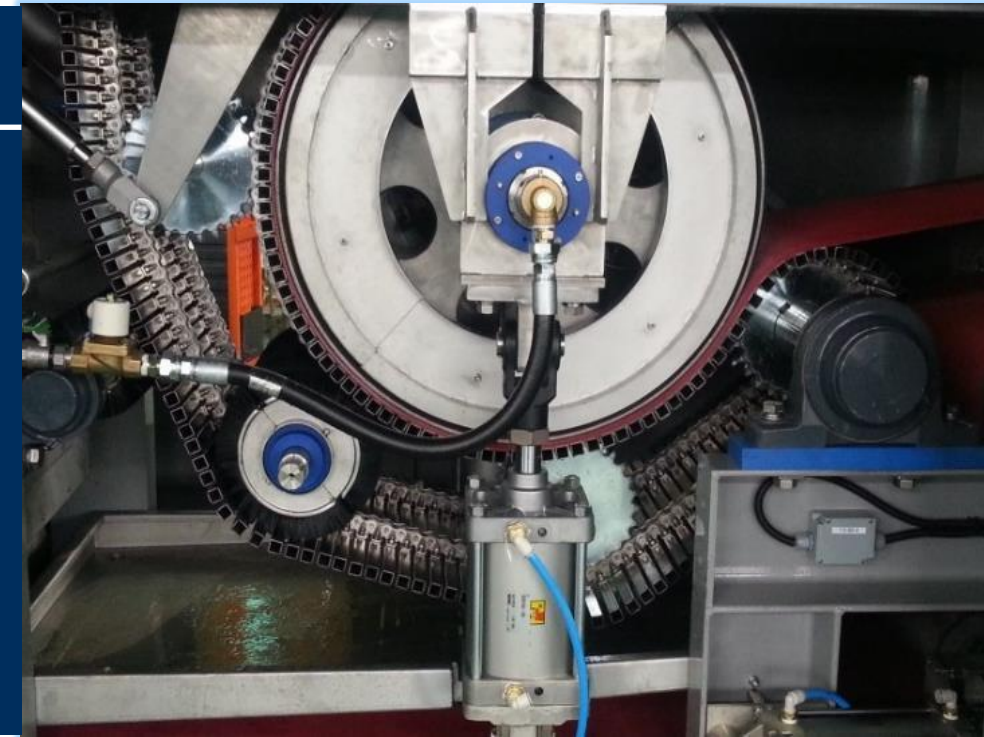


► **FINE-ELODE = Electro Osmosis Dewatering Equipment**

: The world first “Field Proven” commercialized electro-osmosis dewatering machine which treat almost all types of Organic wastewater.

► **5 Key Point**

- **NO Competitor in the World!**
- ***10%wt (90%ds) Guarantee (For most of WWTP Sludge)***
- ***0.45kWh/liter water removed (Lowest Energy Consumption)***
- ***12months Recovery of Investment (Faster ROI)***
- ***World Lowest Operating Expenditure***
- ***World Lowest Capital Expenditure***





Remarkable Dewatering system 90% Volume Cut-Down Reborn to Renewable Energy

<1st Stage Dewatering>

Belt press, Centrifuge, Filter press,
Screw press, Volute press,
Other mechanical dewatering M/C



35 years Know-How for Sludge Dewatering

<2nd Stage Dewatering>

FINE-ELODE

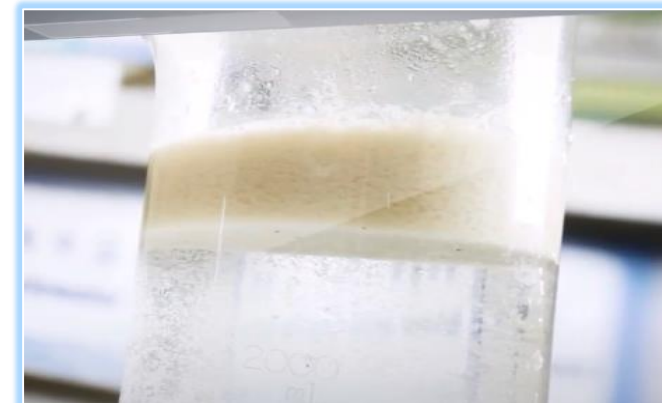




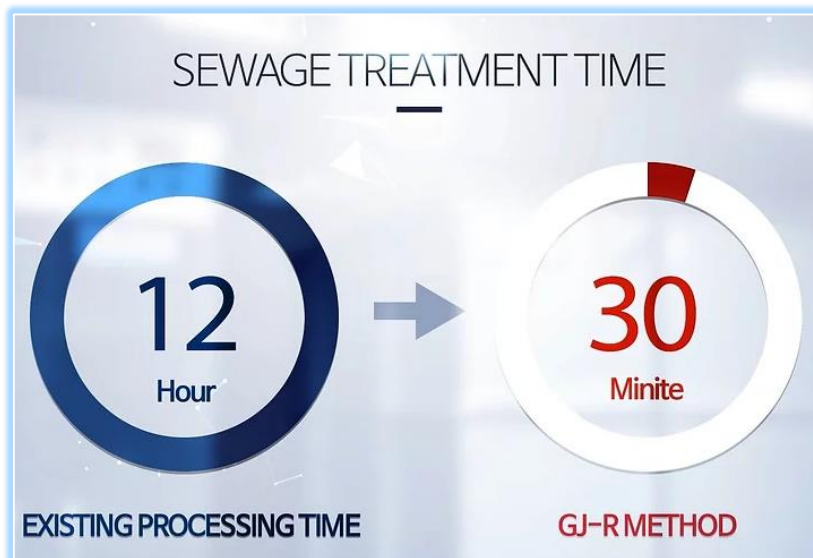
NANO MICRO BUBBLE

► Top-rank Nano Micro-Bubble System in South Korea For Water, Wastewater, Sewage, Algae Purification

1. Non-powered Flocculation : Minimize energy cost
2. 2-Stage Coagulation & Flocculation with High capacity
3. Reduce 20% of Chemical input than Conventional Micro Bubble
4. Generate No Odor with In-line Type



Floated solid in the water



Treat 96m³/hr of Municipal Sewage



Portable Skid type 100m³/day



On-site facility operation

- **Capacity** : 1,000Ton/Day
- **Start Operation** : 2017. 7. 1 ~
- **Site** : In Daehyun sewage treatment plant
- **Purpose** : Post-treatment due to excess capacity and Sewage treatment during rainfall
- **Water Quality** : Operation average



(Unit : mg/L)

Target	SS	BOD	COD	T-N	T-P	E-Coli
Inflow	20.4	24.0	15.5	8.24	0.75	174,400
Outflow	2.0	2.1	4.2	5.013	0.12	500
Efficiency	90.2	91.3	72.9	39.2	84.0	99.7



Thank you for watching.
Stay safe and healthy

Contact

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