



# **KOOKJEGISAN**

The Technical innovation Enterprise Of the Environment  
KOOKJEGISAN Ltd. Co.



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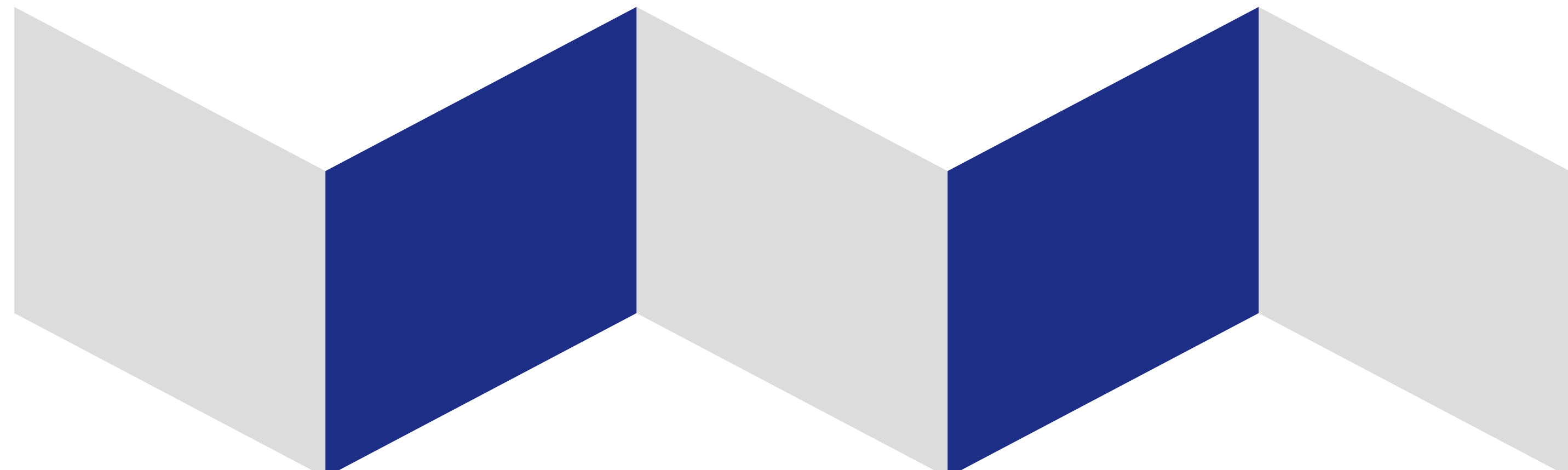
ROTARY SCREENER/ AUTOMATIC FINE SCREENER/ DEODORIZER  
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RECTANGULAR SLUDGE COLLECTOR/ DISSOLVED AIR FLOTATION, DAF  
/ ESCALATOR-TYPE SCREEN/ DEHYDRATION TRANSFER OF DREGS TWO-  
STAGE/ SLUDGE DRYER

## 38 Certified

Connecting People  
with Nature  
**KOOKJEGISAN**



# Greeting



Kookjegisan Corp. is an environment exclusive company which has been only leading the development of the environmental industry since its establishment in February 1992. Contributing to create a happy future where human and nature makes harmony through water is what us Kookjegisan wishes to lead. .

Our competence is recognized from design, manufacturing, constructing wastewater

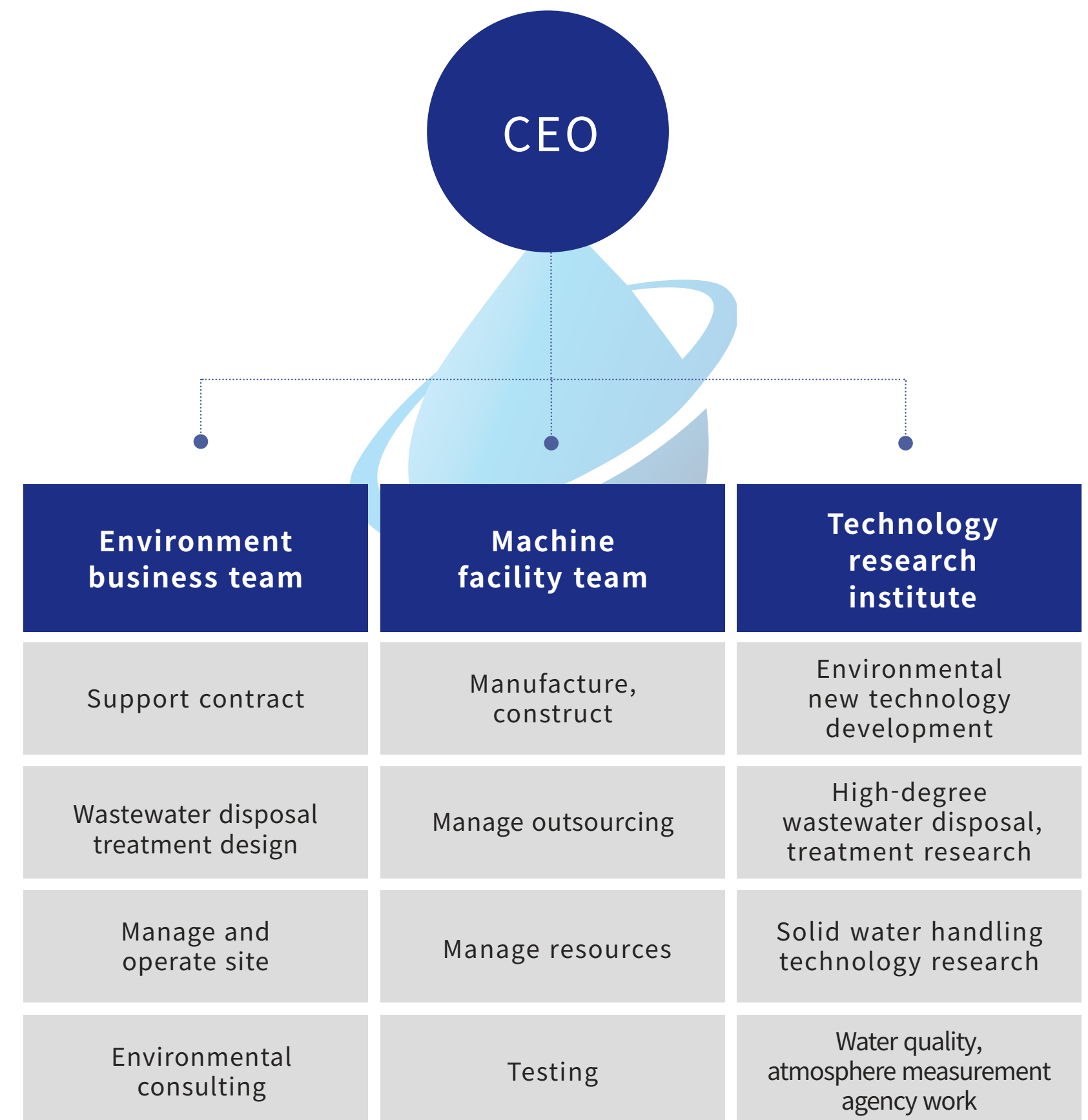
disposal/treatment that occurs from all sorts of industrial field.

We possess several patent and practical plans, and these are actively applied for wastewater disposal/treatment field in accordance of the regulation strengthening regarding the environment facility and marine pollution discharge of the local government and industry.

We promise to fully grow into a eco-friendly company leading reliable wastewater disposal/treatment for the customers repeating innovation through endless creation and challenging.

**CEO Kim Deok-Shin**

# Organization



# Engineering



# Environment management field



A sustainable environment system is established through designing and constructing creative and professional quality, consulting, design and constructing atmospheric environment, commission management, design and constructing wastewater disposal plant.



# History

1992.02

Establish  
Deokwoong  
Machinery.

2000.02

Achieve Exclusive  
construction  
machinery  
equipment work  
business.

2001.01

GK Corp.

2005.07

Jangrim  
industrial  
complex factory  
etc.

2007.08

Selected as 'CLEAN  
business' from  
Korea Occupational  
Safety Management  
Corporation

2011.01

Change  
company name  
into Kookjegisan  
Corp.

2013.07

Verified  
as venture  
company.

2014.02~04

Achieve water  
quality environment  
specialized construction  
business.

Verify company annexed  
research institute.

2015.05

Register Gumi Goa  
factory.

2019.01

RECTANGULAR  
SLUDGE COLLECTOR  
performance  
certification.

2020.03

Establish  
Kookjegisan Corp  
Dadae subsidiary.

2021.05

Water and sewage  
equipments work  
business.

# Product

## WASTEWATER TREATMENT PLANT DESIGN / CONSTRUCTION / CONSIGNMENT MANAGEMENT DETAILS

Sewage and wastewater treatment plants are legally essential facilities necessary for our lives, but people avoid them and are mistakenly recognized as passive facilities.

International accounting also considers the overall design and interior of the sewage and wastewater treatment plant, taking into consideration the corporate image of various related companies that may improve such misunderstandings and generate sewage and wastewater. We are designing and constructing. After the construction is completed, we thoroughly operate and manage the treatment plant to reduce the risk and legal liability burden of sewage and wastewater treatment plants of companies that do not have specialized knowledge, so that we can concentrate on this project.

Incorrect design, construction, operation, and management will reduce the efficiency of the treatment plant, incur additional charges, and even burden the business owner. Design and construction, management and operation are required.

Jangrim  
Plating Wastewater  
Treatment Plant  
view map



Noksan  
Plating Wastewater  
Treatment Plant  
view

# WASTEWATER TREATMENT PLANT DESIGN /CONSTRUCTION/CONSIGNMENT MANAGEMENT



# Main product

- ROTARY SCREENER



- SCREW PUMP



- AUTOMATIC FINE SCREENER



- BAND SCREEN



- DEODORIZER



- BUCKET GRIT ELEVATOR





# Main product

- DECANTAR



- SCREW CONVEYOR



- SCREW PRESS



- HOPPER GATE



- BELT CONVEYOR



- CIRCULAR SLUDGE COLLECTOR

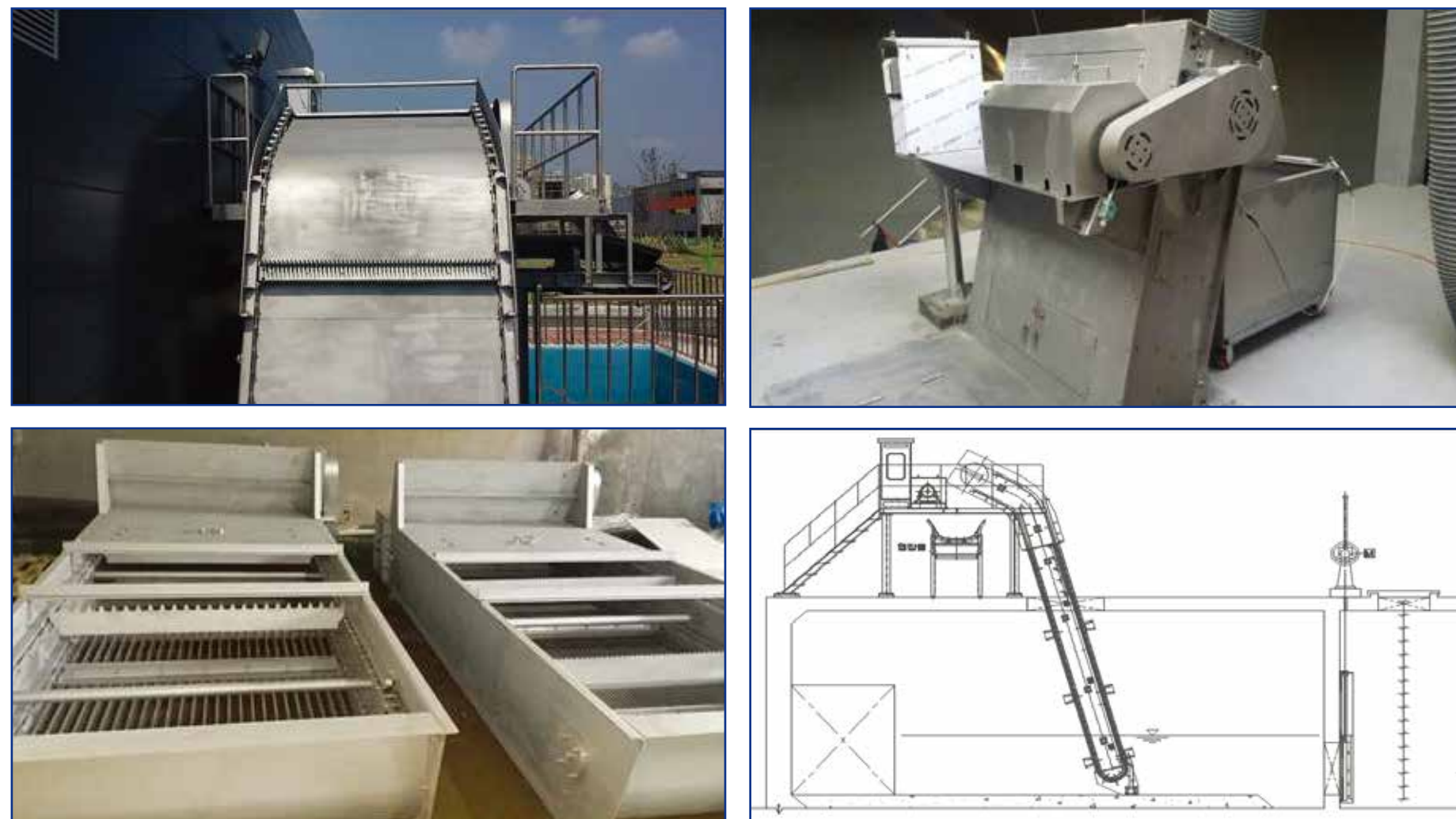


# Main product

## 01 ROTARY SCREENER

The ROTARY SCREENER removes the dreg by raising the several rake combined on number of infinite-chain located in the center from the bottom of the screen. The frontal part of the bottom of the main screen is raised to the back through the potential screen installed separately. The upper screen relevant to the upper part of the waterway is a machinery facility dropping the dreg collected by the inclined direction board built with stainless steel sheet onto the conveyor. [Patent No.10-0928411]

Model	KJR-20	KJR-25	KJR-30	KJR-35	KJR-40
Width of waterway	2M	2.5M	3.0M	3.5M	4M
Height/gap	5M/30mm	5M/30mm	5M/40mm	5M/40mm	5M/50mm



## 02 AUTOMATIC FINE SCREENER

The AUTOMATIC FINE SCREENER is a machinery facility handling if dreg drawn in from wastewater disposal plant, human excreta treatment plant and others. It is designed and manufactured so the rake is engaged exactly onto the bar-screen handling with fine dregs.

Model	KJFS-20	KJFS-25	KJFS-30	KJFS-35	KJFS-40
Width of waterway	1M	1M	1.5M	1.5M	2M
Height/gap	2M/3mm	2'5M/3mm	3M/3mm	3'5M/3mm	4M/3mm

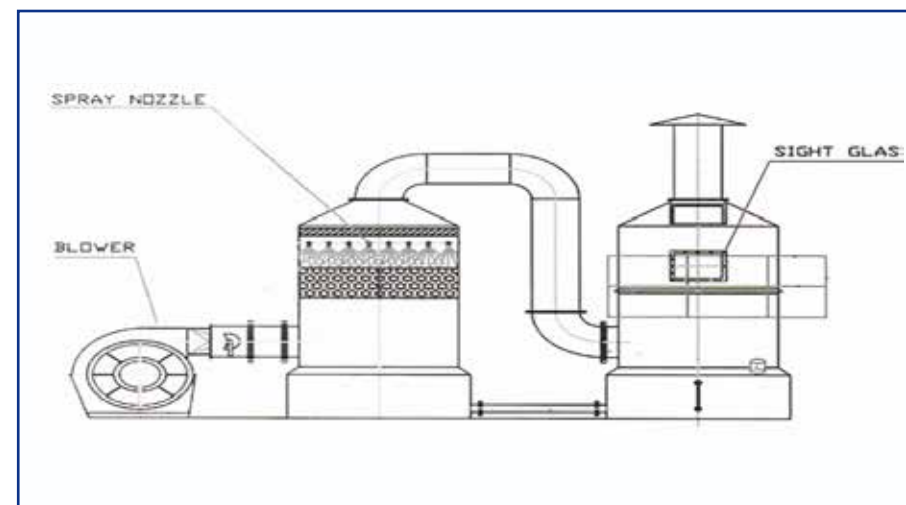


# Main product

## 03 DEODORIZER

A device that eliminates or purifies odor.

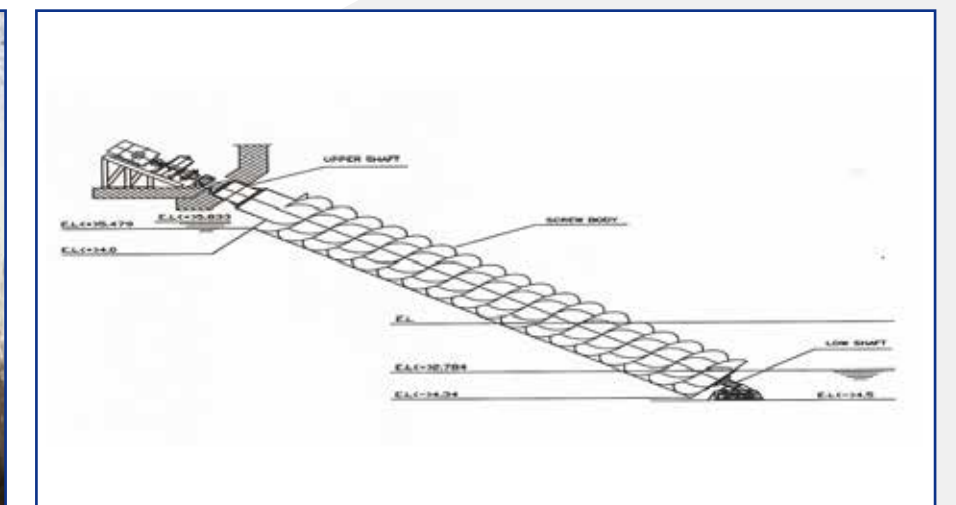
Model	KJDD-10	KJDD-50	KJDD-100	KJDD-300	KJDD-500
Handling volume	10m <sup>3</sup> /day	50m <sup>3</sup> /day	100m <sup>3</sup> /day	300m <sup>3</sup> /day	500m <sup>3</sup> /day
Type	Bio/ Wet method/ Dry method				



## 04 SCREW PUMP

A pump that raises liquid into higher places through screw action.  
A device that sends the liquid inside the screw groove to the axis direction by rotating either an engraved screw groove or an axis with screw shape wing attached placed in a cylinder.

Model	KJSP-50	KJSP-100	KJSP-150	KJSP-200	KJSP-250
Screw	500mm	1000mm	1500mm	2000mm	2500mm
Lift	3.5~5M	5~7M	6~8M	7~10M	7.5~11M
Rate of flow (m <sup>3</sup> /min)	3~2	15~11	40~30	80~60	130~100
Angle	30 ~ 40 °				



# Main product

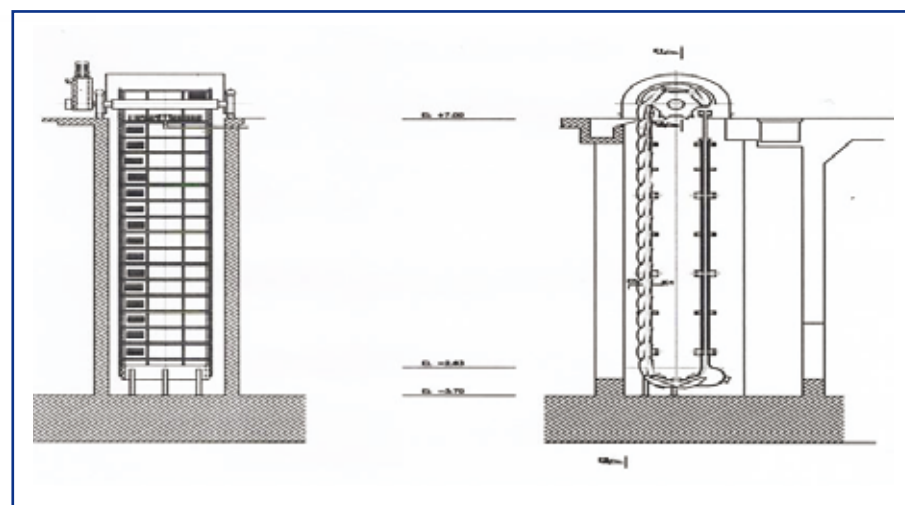
## 05 BAND SCREEN

A type of physical wastewater handling.

An equipment that removes relatively big floating substance amongst the wastewater brought into the wastewater disposal plant through the inflow waterway.

It is relevant to the very first process of the wastewater handling.

Model	KJBS-20	KJBS-25	KJBS-30	KJBS-35	KJBS-40
Width of waterway	1M	1M	1.5M	1.5M	2M
Height/gap	2M/3mm	2.5M/3mm	3M/3mm	3.5M/3mm	4M/3mm



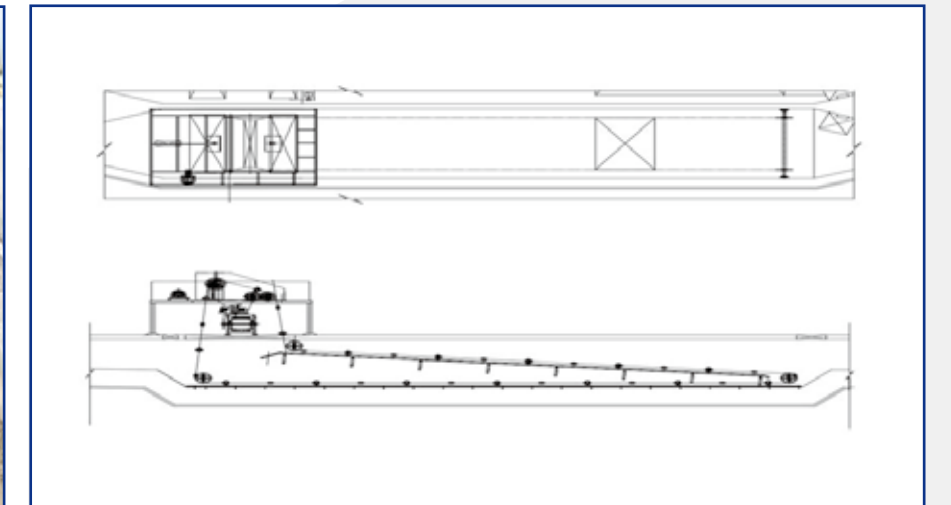
## 06 BUCKET GRIT ELEVATOR

A device to remove the sand piled on the bottom of the wastewater disposal plant which is brought in to the settling plant.

A bucket mounted on a chain scoops up the sand onto the conveyor to be transferred and handled.

Model	KJBG-50	KJBG-100	KJBG-150	KJBG-200
Type	V-BUCKET TYPE (1waterway 1drive)			
Width of waterway	500mm	1000mm	1500mm	2000mm

Notice Site customized manufacturing in accordance to the waterway length and lifting speed.

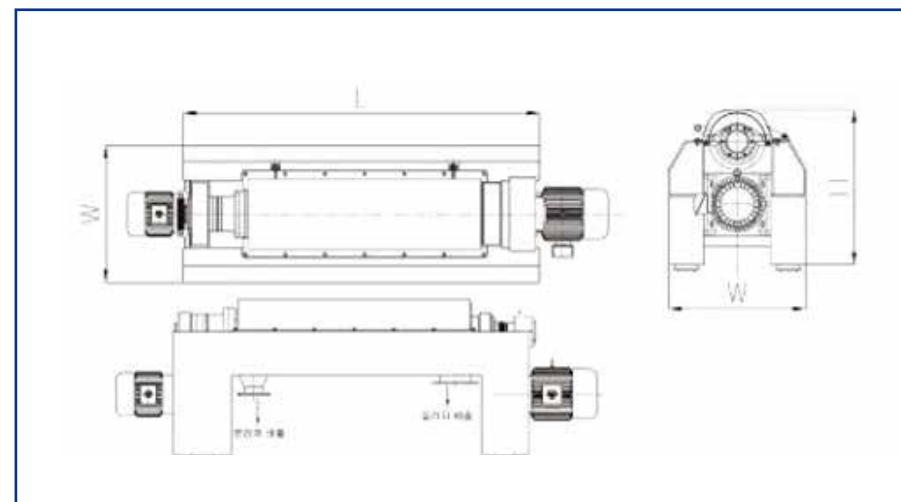


# Main product

## 07 DECANTAR

A machine that removes water from an object using centrifugal force.

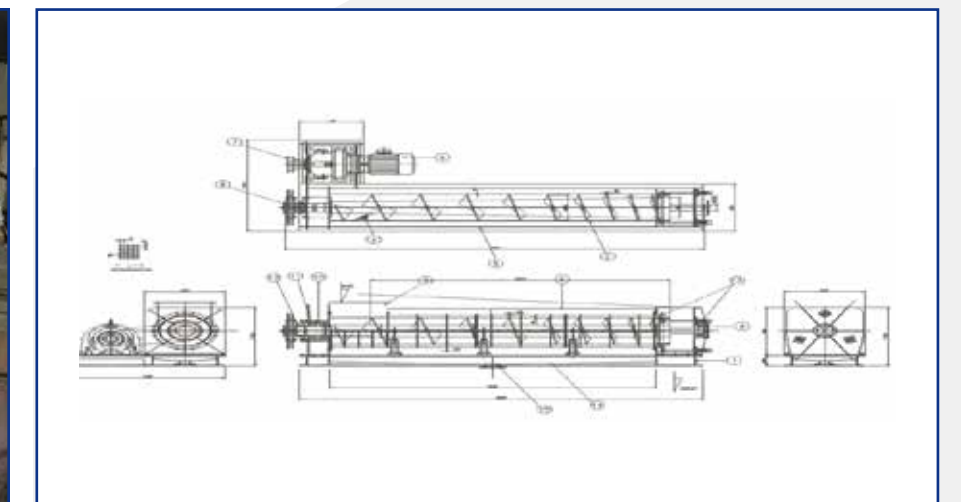
Model	KJDE-10	KJDE-20	KJDE-30	KJDE-40	KJDE-50
Volume	5~10m <sup>3</sup> /hr	10~20m <sup>3</sup> /hr	20~30m <sup>3</sup> /hr	30~40m <sup>3</sup> /hr	40~50m <sup>3</sup> /hr
Length	20m	30m	40m	50m	60m
Power	15kw	30kw	45kw	75kw	75kw



## 08 SCREW PRESS

A machine that removes water due to screw device action.

Model	KJSPR-250	KJSPR-300	KJSPR-350	KJSPR-400
Volume	2~3m <sup>3</sup> /hr	3~5m <sup>3</sup> /hr	5~7m <sup>3</sup> /hr	7~10m <sup>3</sup> /hr
Length	250mm	300mm	350mm	400mm
Power	2.2kw	3.7kw	7.5kw	11kw

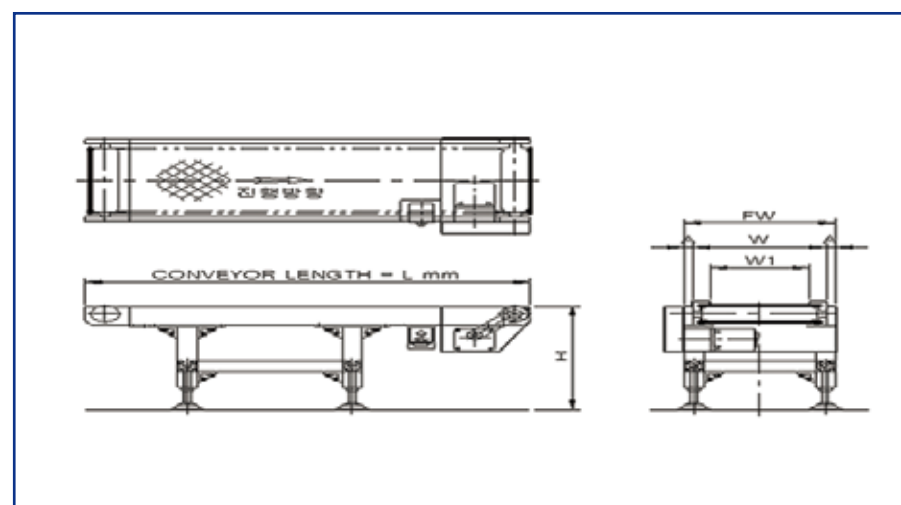
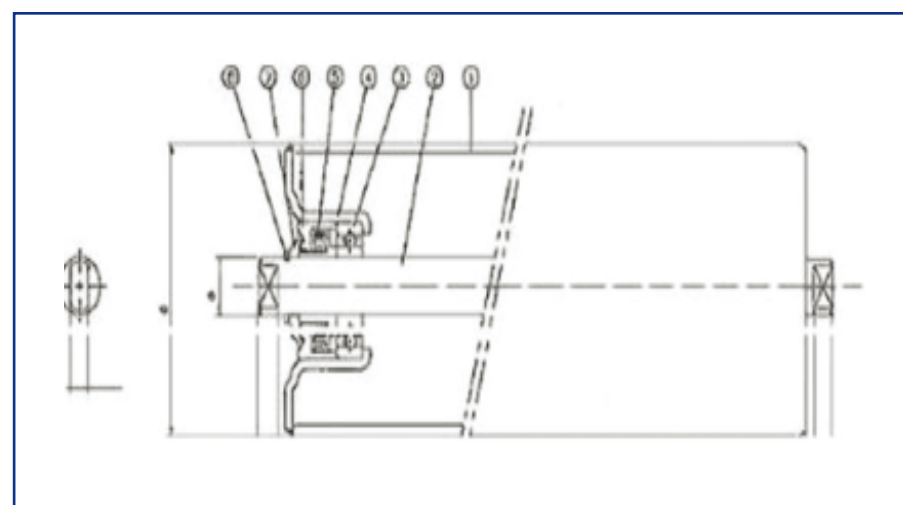


# Main product

## 09 BELT CONVEYOR

A device continuously transferring by placing objects on top of a rotating belt hung on two wheels. It is generally used on integrated work of mass productions.

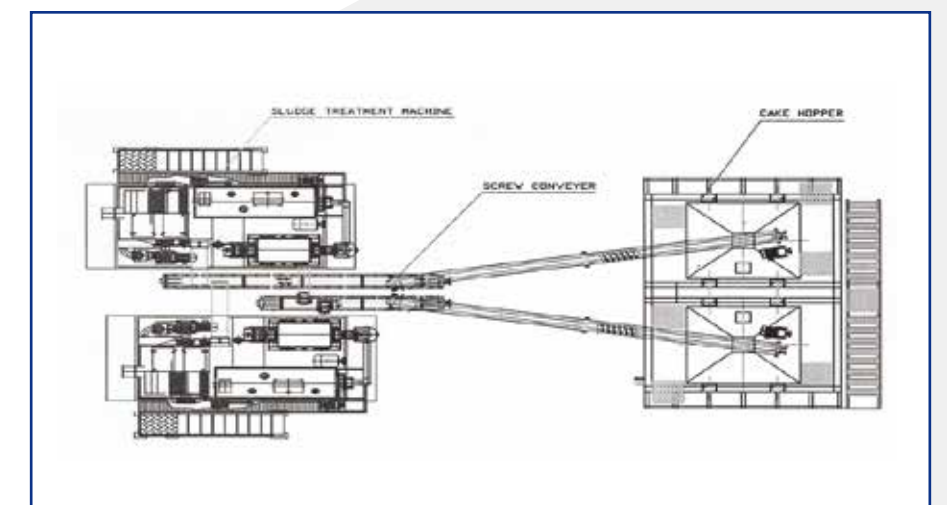
Model	KJBC-200	KJBC-400	KJBC-600	KJBC-800	KJBC-1000
Belt width	200mm	400mm	600mm	800mm	1000mm
Power	0.75kw	0.75kw	1.5kw	1.5kw	2.2kw



## 10 SCREW CONVEYOR

conveyor device that carries on object as an axis with screw shape wing attached rotated inside a half cylinder.

Model	KJCS-150	KJCS-200	KJCS-250	KJCS-300	KJCS-400
Diameter of the wing	150mm	200mm	250mm	300mm	400mm
Transported amount	9m <sup>3</sup> /hr	20m <sup>3</sup> /hr	40m <sup>3</sup> /hr	70m <sup>3</sup> /hr	120m <sup>3</sup> /hr
RPM	20 ~ 60 RPM				

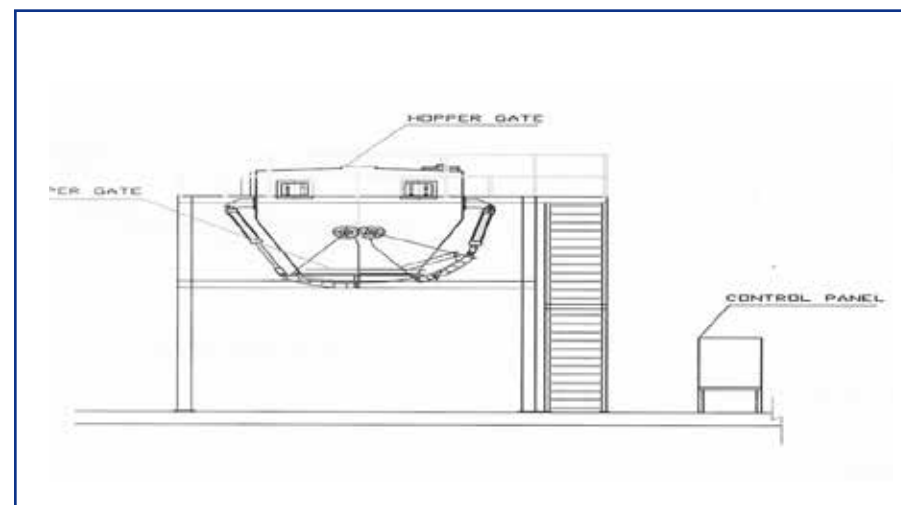


# Main product

## 11 HOPPER GATE

A large container storing dreg, sludge, coal, sand, pebble etc. It is a device that sends out content by opening the hopper shape exist on the bottom of the container.

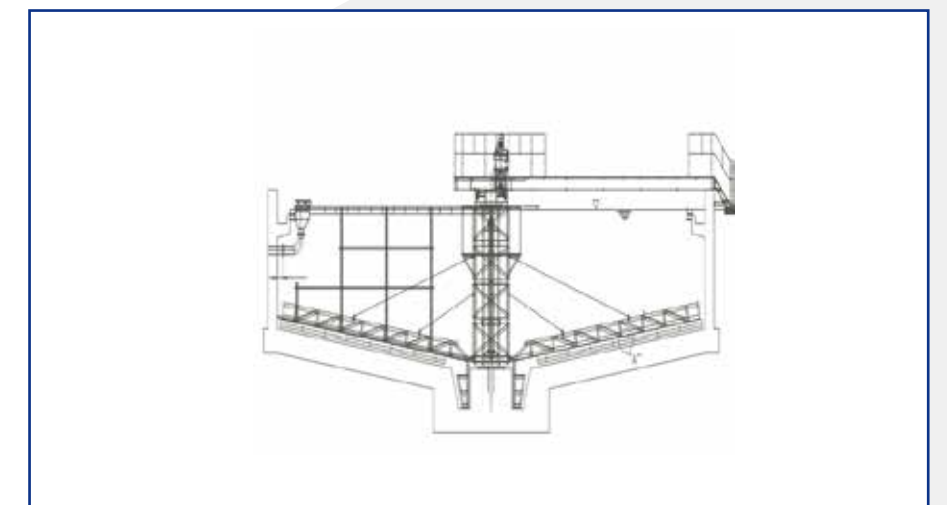
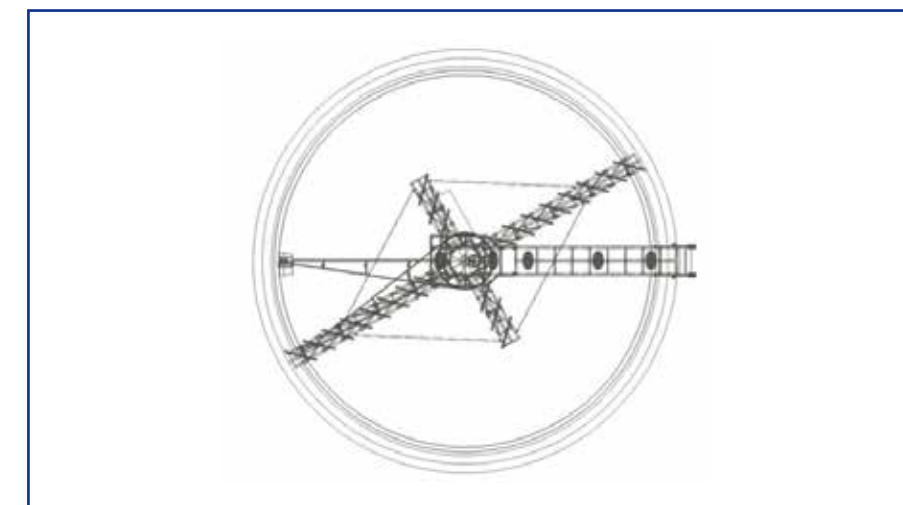
Model	KJHG-5	KJHG-10	KJHG-15	KJHG-20	KJHG-30
Volume	5m <sup>3</sup>	10m <sup>3</sup>	15m <sup>3</sup>	20m <sup>3</sup>	30m <sup>3</sup>
Type	CUT GATE				



## 12 CIRCULAR SLUDGE COLLECTOR

The CIRCULAR SLUDGE COLLECTOR is a machinery facility that collects sludge loaded on the bottom into the sludge pit in the center as it is solid-liquid separated and settled in a circular structure concentration / settling plant. If the settling tank floating matter removal device applied with our company's patent technology, the efficiency of the maintenance along with fresh and clean environment can be increased. [Patent No.10-0927122]

Model	KJCSC-100	KJCSC-150	KJCSC-200	KJCSC-250	KJCSC-300
Ground standard	∅5000~20000 (Site customized)				
Power	0.75kw	1.5kw	2.2kw	2.2kw	3.7kw
Type	Central drive hanging type / Central drive pillar type / Surrounding drive type				



# Strategic product

- RECTANGULAR SLUDGE COLLECTOR



- DEHYDRATION TRANSFER OF DREGS TWO-STAGE



- DISSOLVED AIR FLOTATION, DAF



- SLUDGE DRYER



- ESCALATOR-TYPE SCREEN





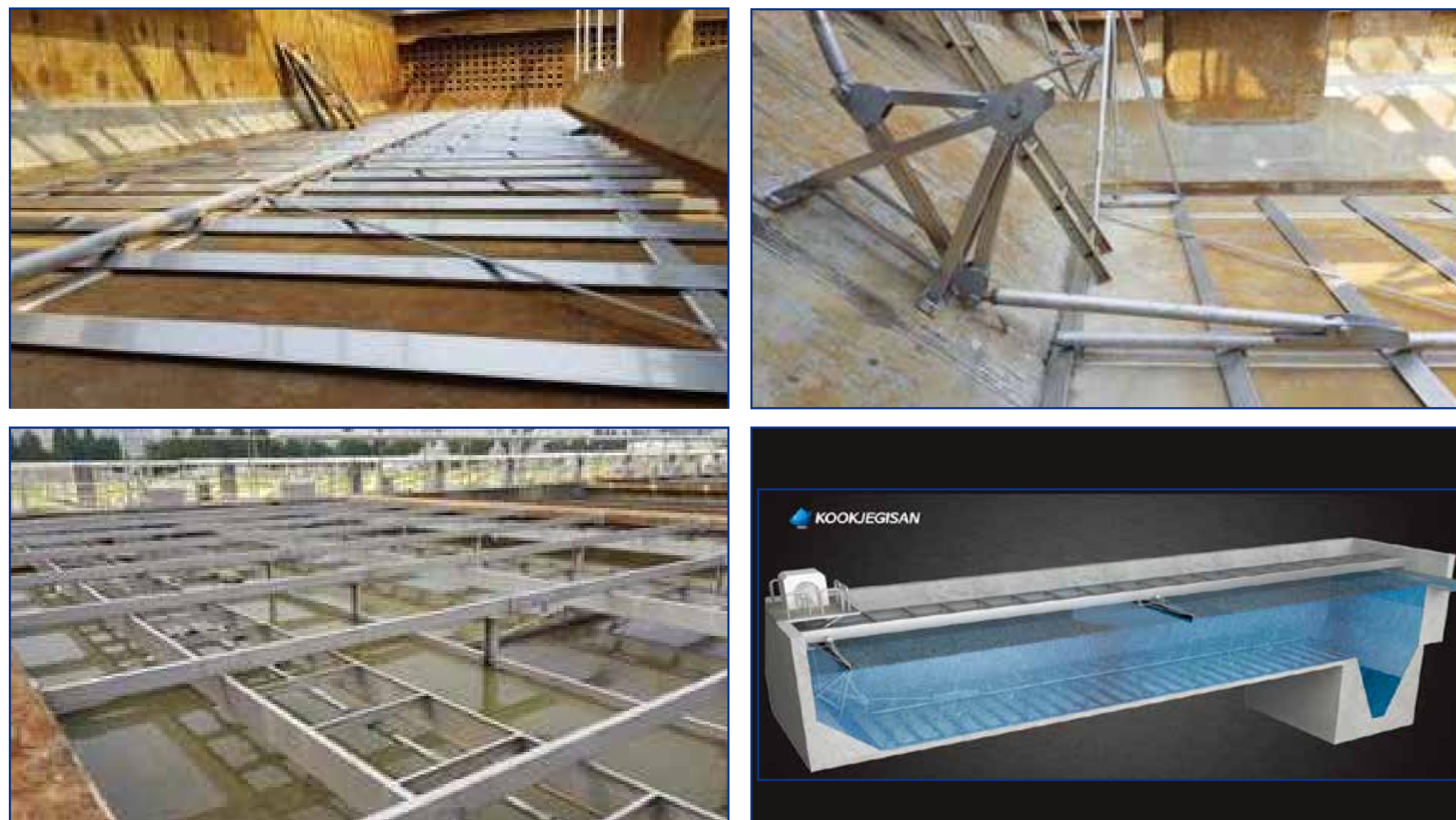
# Strategic product

## 01 RECTANGULAR SLUDGE COLLECTOR

Quick and consistent removal of sludge and scum is possible, and it holds a feature of high handling efficiency.

It holds a construct ability applicable for all rectangular settling basin along with a simple structure, and electricity cost can be reduced through minimization of the driving part.

Model	KJREC-20	KJREC-30	KJREC-40	KJREC-50	KJREC-60
Width, height	W4~6m x H4~6m (Rectangular settling basin)				
Length	20m	30m	40m	50m	60m
Collecting speed	0.5 ~ 2 m/min (Variable control)				

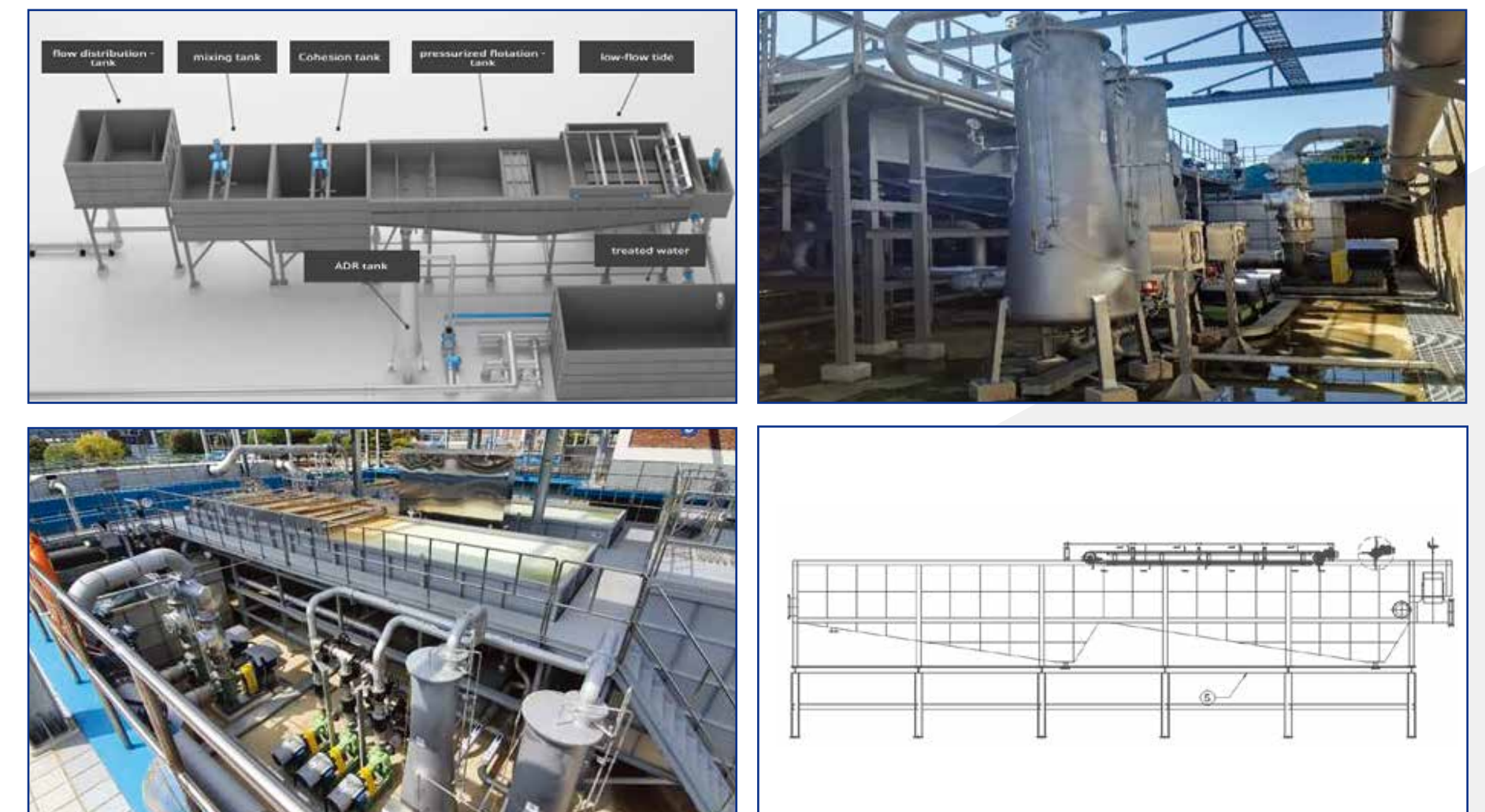


## 02 DISSOLVED AIR FLOTATION, DAF

There is no clogging of the nozzle using direct spray and is useful against loading response through easy pressure adjustment by using the valve.

The chemical injection is quantified through proportional control and easy to operate due to automatic level adjustment device.

Model	KJD-400	KJD-600	KJD-800	KJD-1000	KJD-1200
Handling volume	4,000m <sup>3</sup> /day	6,000m <sup>3</sup> /day	8,000m <sup>3</sup> /day	10,000m <sup>3</sup> /day	12,000m <sup>3</sup> /day
Spraying method	Direct spray using valve(No nozzle)				

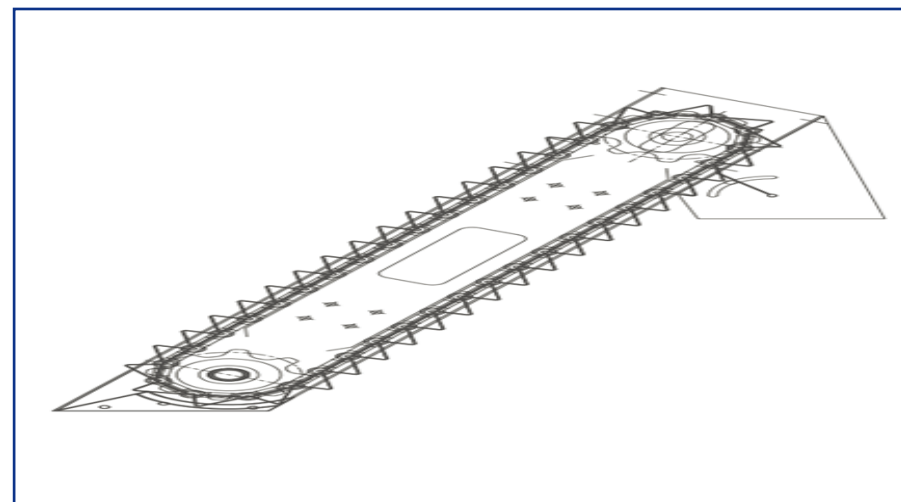
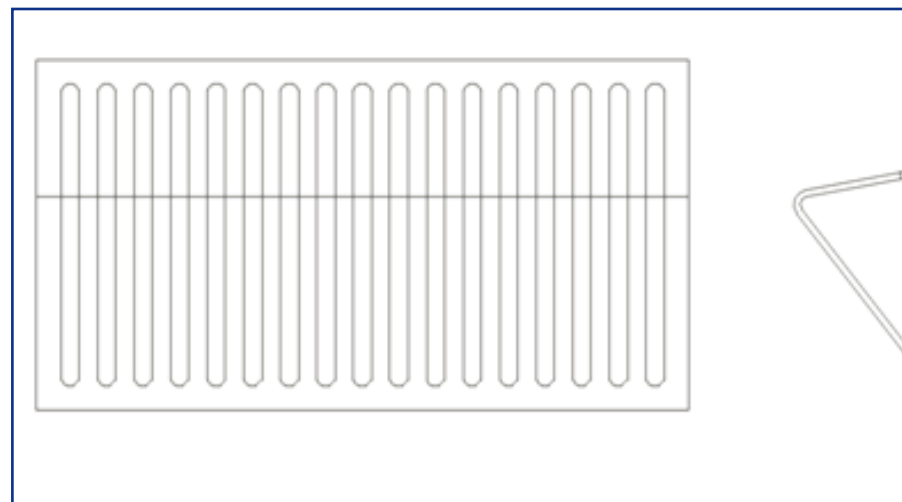


# Strategic product

## 03 ESCALATOR-TYPE SCREEN

Able to consistently remove dreg and fine-dreg. Also the DEAD ZONE is lower compared to the existing dusting machine, the rake is detachable and the maintenance is simple.

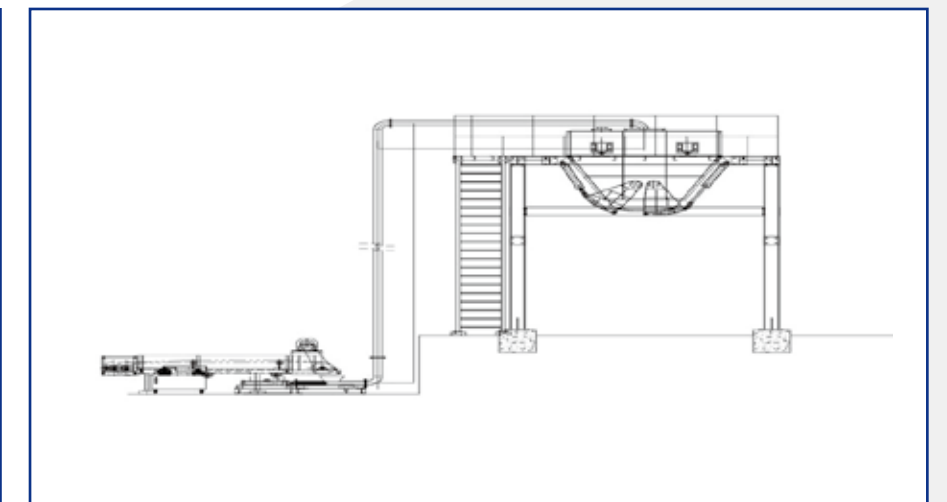
Model	KJEC-20	KJEC-25	KJEC-30	KJEC-35	KJEC-40
Width of waterway	2M	2.5M	3.0M	3.5M	4M
Height/gap	5M/30mm	5M/30mm	5M/40mm	5M/40mm	5M/50mm



## 04 DEHYDRATION TRANSFER OF DREGS TWO-STAGE

There is no outer exposure during dreg transfer, and the transfer distance is short. It features 1st dehydration by the screw, 2nd dehydration through hydraulic cylinder and 3rd dehydration through gravity within the vertical pipe.

Model	KJDT-50	KJDT-100	KJDT-150	KJDT-200
Type	Direct spray using valve(No nozzle)			
Pipe diameter	50mm	100mm	150mm	200mm
Notice	Customized manufacturing in accordance to the construction direction and distance of the dreg			

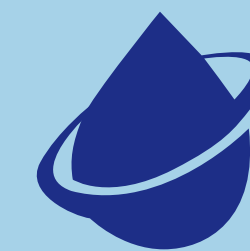
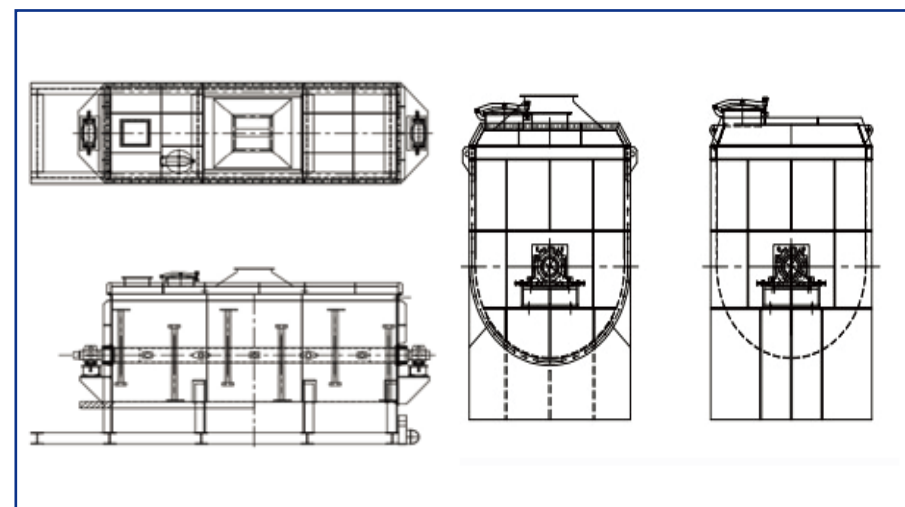


# Strategic product

## 05 SLUDGE DRYER

It is eco-friendly as there is no secondary pollutant created.  
It features heat energy when microorganism disassembles organic matters,  
the reduction rate is excellent and the by-product is used as compost.

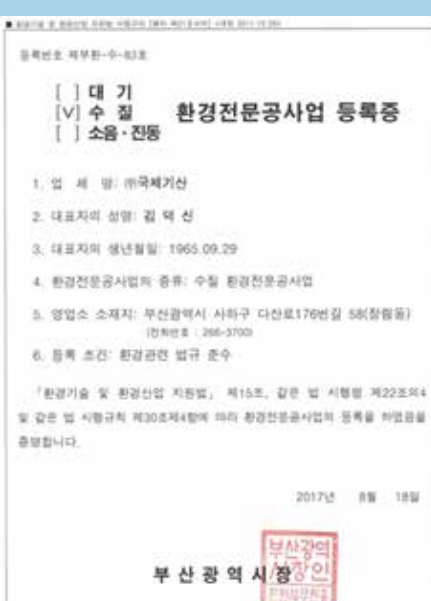
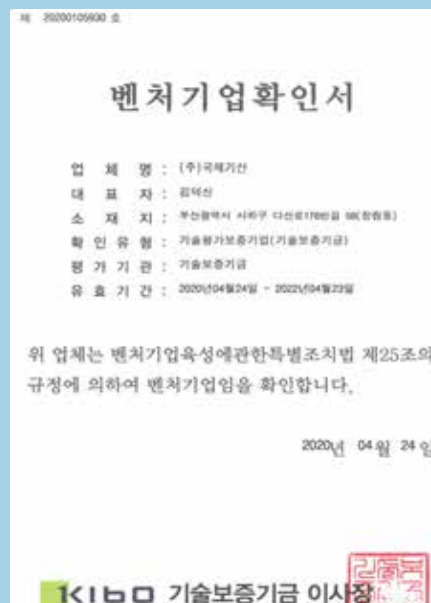
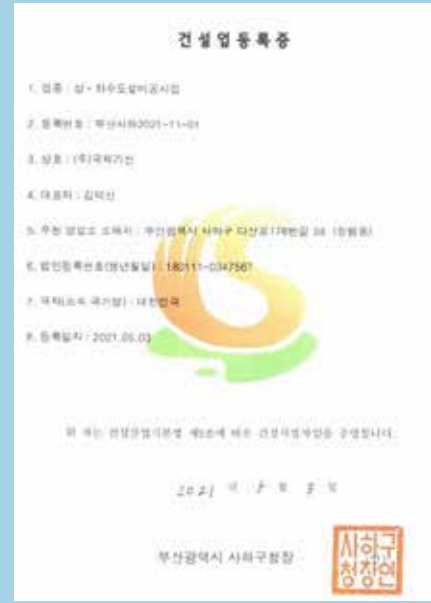
Model	KJSD-50	KJSD-100	KJSD-250	KJSD-500	KJSD-1000
Belt width	0.5m <sup>3</sup> /day	1m <sup>3</sup> /day	2.5m <sup>3</sup> /day	5m <sup>3</sup> /day	10m <sup>3</sup> /day
Power	15kw	20kw	30kw	40kw	100kw

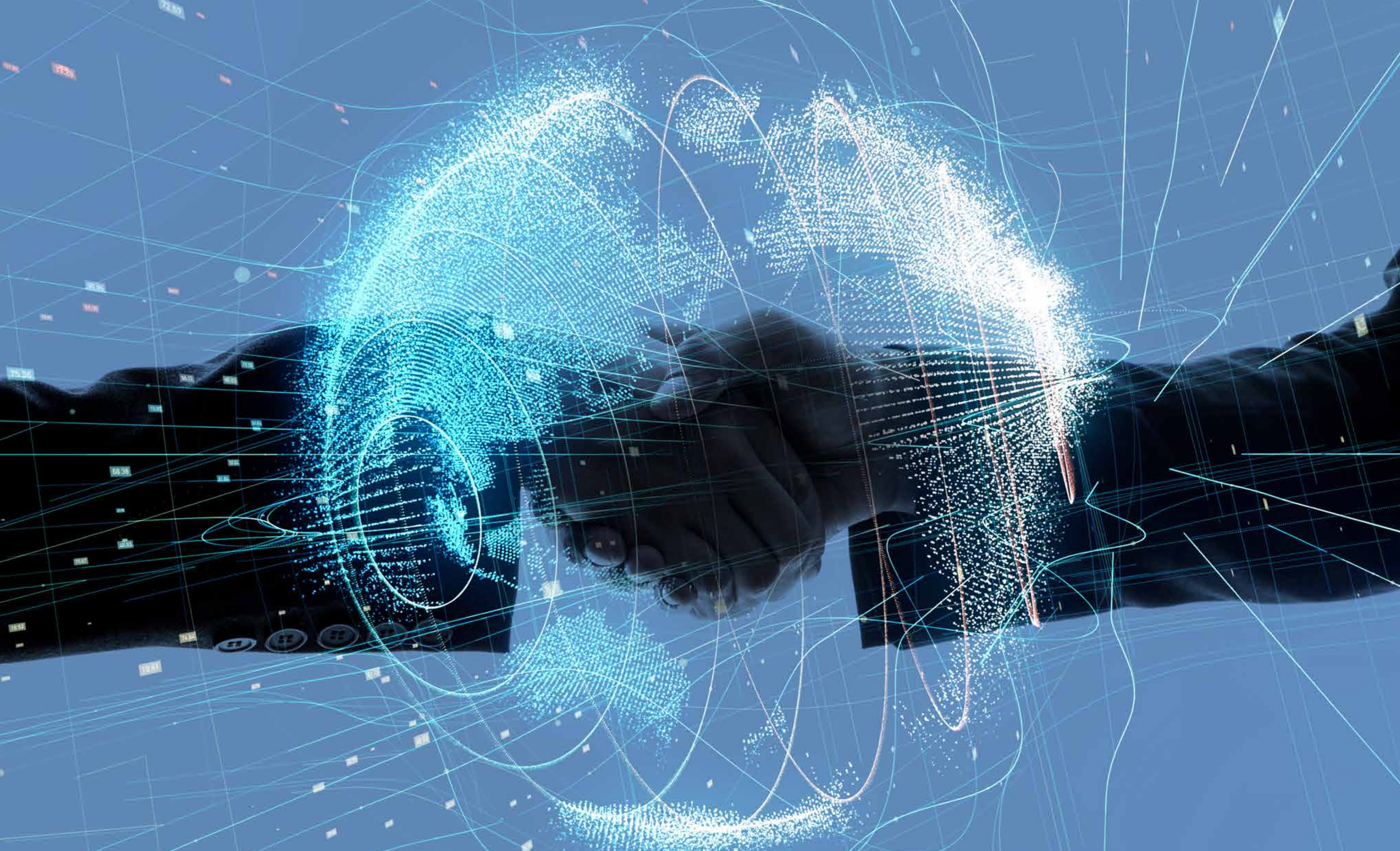


# KOOKJEGISAN

The Technical innovation Enterprise Of the Environment  
KOOKJEGISAN Ltd. Co.

# Certified





# Unrelenting Challenges and Innovation

# KOOKJEGISAN

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