

Sewage treatment facility

WATER MANAGEMENT

Inlet / Outlet Gate



Installed in sewage treatment plant inlet and outlet channel to control flow rate and use for maintenance.

Flat screen



Equipment to protect pipes, pumps and machinery by removing dirt and other contaminants from sewage.

Concomitants treating equipment



Combined screen and non-shaft screw conveyor, this all-in-one device removes the impurities and sand contained in influent water at the same time.

Sludge collector



It is applied to the precipitation process of particulate matter in the purification process of water and sewage, and automatically collects and scrapes sedimentation sludge.

Deodorization machine



Equipment to collect odor from odor generating facility and remove it with microorganism or chemical liquid.

Concentrator



It is used when the collection of solids are poor due to sedimentation of exceeded and mixed sludge. Also it is used in simplifying the sludge treatment process.

Dehydrator



Using Rotational Force, it emits cake type dried solid without moisture contained in surplus or mixed sludge.

Chemical injector



It is a facility to sanitize and disinfect water and underground water. It is used to sanitize and disinfect sewage and wastewater.

Air conveyor



A transfer facility to use compressed air to transport moisture-containing materials such as sludge cake, sand, impurity.

Screw conveyor



A machine to continuously convey sludge, sand, impurities by rotating a shaft attached with a spiral wing in a trough.

Sulfuric acid tank



Atmospheric pressure storage tank that stores dangerous substances, concentrated sulfuric acid and fuming sulfuric acid in a liquid state.

Hopper



A storage device to store temporarily before discharging various contaminants, and to load automatically to the vehicles.



Water Treatment Solutions

Engineering at its best!

We provide an optimum solution for water management

Water gate

Movable weir



- Usage**
- Used where water level adjustment is required such as river, lake
 - Preserve freshwater and prevent disaster

- Feature**
- Can adjust water level by opening or closing angle
 - High fresh water storability
 - Rapid discharge of fresh water when heavy rain
 - Semi-permanent longevity [Using stainless steel]

Roller gates



- Usage**
- Drainage sluice gates for rivers, levee, seawalls, and dams
 - Medium-large water gate. To open and close, the attached roller gates are used

- Feature**
- Can adjust water level by opening or closing angle
 - High fresh water storability
 - Rapid discharge of fresh water when heavy rain
 - Semi-permanent longevity [Using stainless steel]

Sluice gate



- Usage**
- Installed for inlet water channel of reservoirs and water tower of dams
 - Usage for polluted areas and environment related water treatment places

- Feature**
- Strong structure and resistant to corrosion
 - Use for high water pressure
 - Precise and accurate operation- usage for high water leaking

Integral type gate



- Usage**
- For drainwaterway, Supplywaterway

- Feature**
- One whole body to hoist
 - Easy to install
 - Reduction of construction cost
 - Use various rubber parts

Radial gate



- Usage**
- Large water gates used for dam gates and seawalls
 - To open or close, gates revolves around the Trunnion Pin

- Feature**
- Very strong gate with frame structure
 - Opening and closing the water gate using a hydraulic cylinder or wire rope winch

Flap gates



- Usage**
- One-way flow that prevents water from flowing into the water level is high, it automatically opens and closes to discharge the water to the river without a separate driving device

- Feature**
- Less corrosive and light with FRP, STS material
 - Excellent exponential effect(water stop effect) using K-type rubber
 - Automatic opening and closing by water pressure

Y-Type gate



- Usage**
- Medium and large water gates for rivers, drainwaterways, supplywaterways
 - By one way water blocks, it blocks the influx from outside

- Feature**
- Can adjust water level by opening or closing angle
 - High fresh water storability
 - Rapid discharge of fresh water when heavy rain
 - Semi-permanent longevity [Using stainless steel]



Water gate

Trash remover



- Rotary type trash remover**
- Usage :** Remove floating matters from drainage pumping stations, sewage treatment, waste water treatment and industrial sewage treatment plants

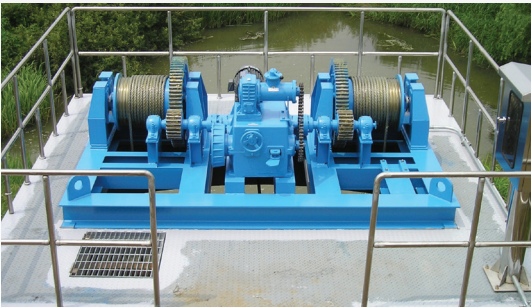
- Feature**
- Automatic operation of rake circulation type
 - Can be operated in conjunction with pump
 - Continuous processing with several rakes
 - Unmanned automatic operation system



- Hydraulic type trash remover**
- Usage :** Remove floating matters from drainage pumping stations, sewage treatment, waste water treatment and industrial sewage treatment plants

- Feature**
- Handles multiple water channel with one machine
 - Easy Installation and cost reduction
 - Fewer faults, easy to repair
 - Unmanned automatic operation system

Hoist



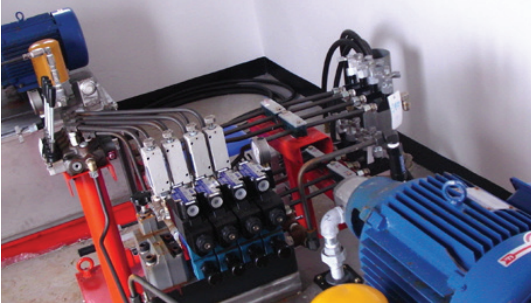
- Wire drum type hoist**
- Usage :** To lift seawalls sluice gates, drainage sluice gates and dam sluice gates by using wire ropes

- Hoisting ability :** 5 TON ~ 50 TON
- Feature**
- For medium and large loads and for more than 5 tons
 - Hoisting using wire rope
 - No restriction on hoisting height
 - No impact to hoist and sluice when opening and closing the sluice gates



- Pinjack type hoist**
- Usage :** Sluice gate such as rivers, levee, drain pumping station by using rack bars
- Hoisting ability :** 1 TON ~ 20 TON

- Feature**
- Single / double, manual / auto mode
 - Fast hoisting speed and strong lifting ability
 - Protect hoist, water gate and rack bar by attacking shock absorber to rack bar
 - Increased safely with dual brake system
 - Easy checking to open or close the gates by opening meter



- Hydraulic type hoist**
- Usage :** Hydraulic hoist bottom hinge flap gate of rivers, levee, etc.
- Hoisting ability :** 1 TON ~ 500 TON

- Feature**
- Smooth hydraulic operation
 - Safe operation without damaging the machines due to overload, impact load, etc.
 - Emergency power generator against power failure
 - Free adjustment for opening and closing positions
 - Adjustable water level