

PROBLEMS WITH SLUDGE?

Clean Water Technology, Inc. (CWT) offers the newest technology in **Sludge Management**: The Dewatering Screw Press (DSP). The DSP is uniquely designed to be a fully-automated system capable of starting up, operating, and shutting down with **zero** operator intervention.



Structural Principle

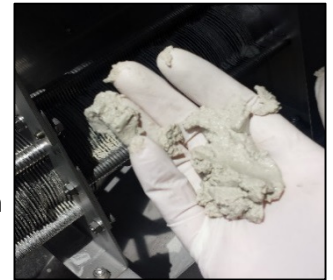
Concurrent Force / Water Action

Force and water are in the same direction, removing the free water at the **FASTEST SPEED**



Thin-Layer Dewatering

Thinning the sludge to press out free water while traveling the **SHORTEST DISTANCE**



Moderate Pressure

Effectively dewatering sludge with **LOWER ENERGY CONSUMPTION** and **LOWER MECHANICAL WEAR**

Extension of Dewatering Path

Ensuring **REDUCED DEWATERING TIME** with **CONTINUOUS OPERATION**

EASILY DEWATERS

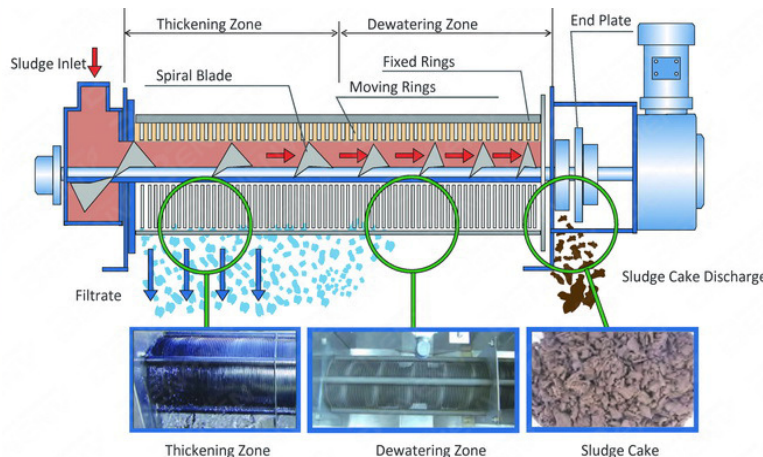
- Waste Activated Sludge**
(SBR, Extended Aeration, Oxidation Ditch)
- DAF Sludge**
- Chemical Sludge**
- Digested Sludge**
(Anaerobic and Aerobic Digestion)
- Raw Sludge**



Saves Sludge-Related Operating Costs



Dewatering Principle



The initial section of the dewatering drum is the **Thickening Zone**, where the solid-liquid separation process occurs and where the filtrate is discharged. The distance of the screw and the gaps between the rings decrease at the end of the **Dewatering Zone** providing an increase in internal pressure. The **End Plate** then further increases the pressure, **discharging a DRY SLUDGE**

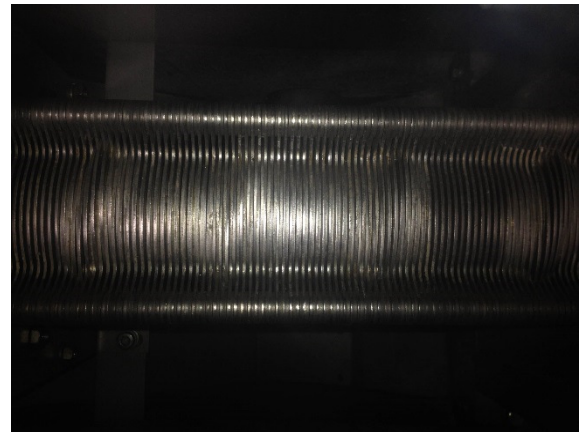
DSP Advantages

Driest Sludge
Savings in Running Costs
Low Power Consumption
Clog-Free Structure and Construction
 Ability to **Handle Oily Sludge**

No Replacement Costs
 24-hr **Fully-Automated Operation**
Stress-Free Maintenance
Uniform and Accurate Dispensing
Low Investment System

The most unique, **Highly Efficient** Dewatering Sludge Press
No need for **Thickeners, Sludge Storage**, or **Separate Dosing Facilities**

Ask Which Size Is Best for Your Site!!
(WIDE VARIETY OF SIZES AVAILABLE)



CWT is your One Stop Shop for Complete Wastewater Treatment Systems

Ask about our other products....



PRIMARY TREATMENT

The **GEM System** utilizes a unique approach to flocculation and flotation technology, which **greatly outperforms** any Dissolved Air Flotation (DAF) System.



SECONDARY TREATMENT

Anaerobic Digestion process offers high organic removal capacity (**80% of BOD/COD**) with short retention time and low energy demand. We supply both UASB and EGSB Reactors.



SECONDARY TREATMENT

Membrane Bioreactor (MBR) is a compact wastewater treatment process combining a single sludge aerobic biological treatment system with an integrated, immersed membrane system.



TERTIARY TREATMENT

Reverse Osmosis (RO) is used for water reuse or to provide pure water quality (as in boiler makeup or high end manufacturing). These systems can be skid-mounted or containerized according to client preference.