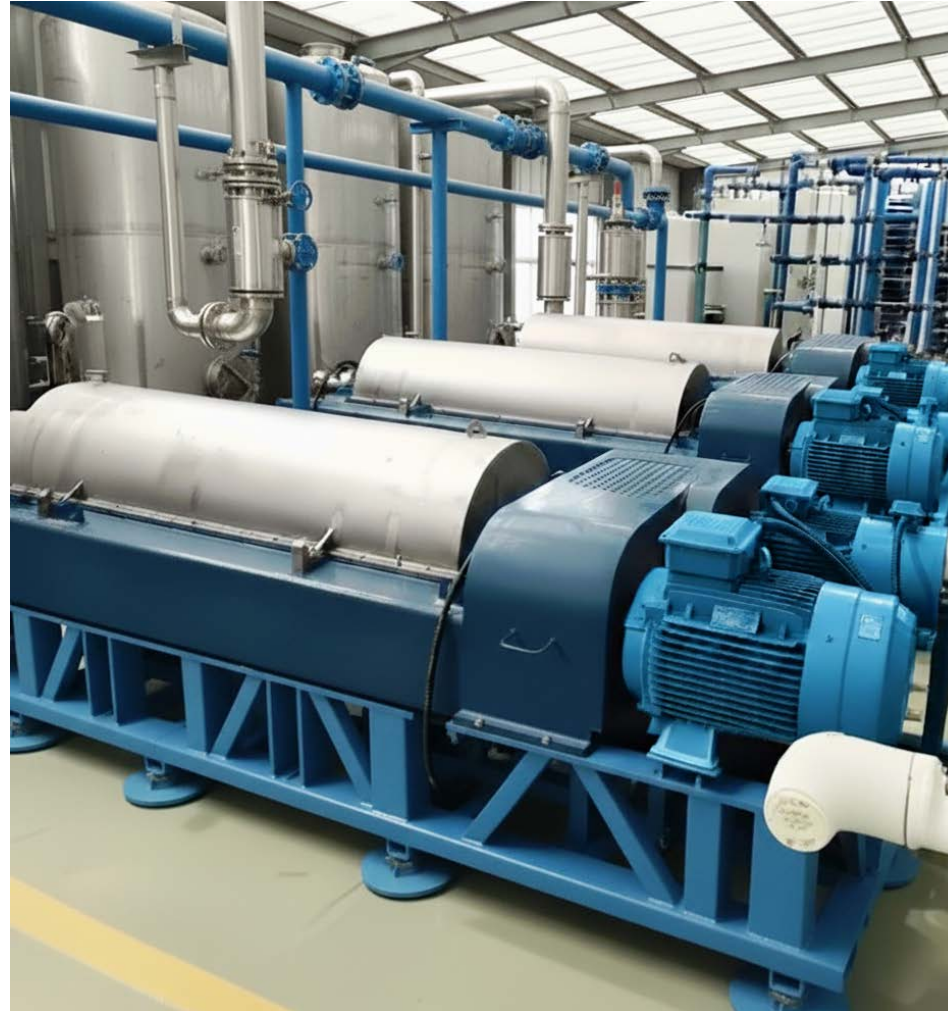


HORIZONTAL SCREW DECANTER CENTRIFUGE



The horizontal screw decanter centrifuge is a widely used piece of equipment for solid-liquid separation at an industrial level. Depending on the characteristics of the material and the specific industry, it can be classified into decanters for dewatering, separation, or clarification. Additionally, with centripetal pump technology, it enables three-phase separation of two liquids and solids, or two liquid phases.

It can continuously separate more than 50% (by volume) of solids present in a liquid. Typical applications include the treatment of crude oil tank bottoms, waste oils, wastewater, sludge, fish meal, cleaning of used vegetable oils, paint sludge, among others.

THERMAL EVAPORATION

The pump evaporator uses heat pump energy to separate water from pollutants at about 35 °C, producing clear distilled water and reducing by up to 99%. It operates automatically without supervision and converts wastewater into highly concentrated liquid. This process minimizes hazardous waste volume and significantly lowers treatment costs. It is widely applied in steel, metal, casting, aluminum, galvanizing, chemical, and emulsion industries.

TREATMENT FOR WASTEWATER FROM:

- Landfill
- RO Reject concentrated
- MVR/multi-effect Mother
- Coating, Printing & Dyeing
- Grinding and Polishing
- Drawing Lubricating
- Electroplating
- Emulsion for Cutting
- Die Casting
- **Chemicals**
- Coal Chemical
- Pharma Intermediate



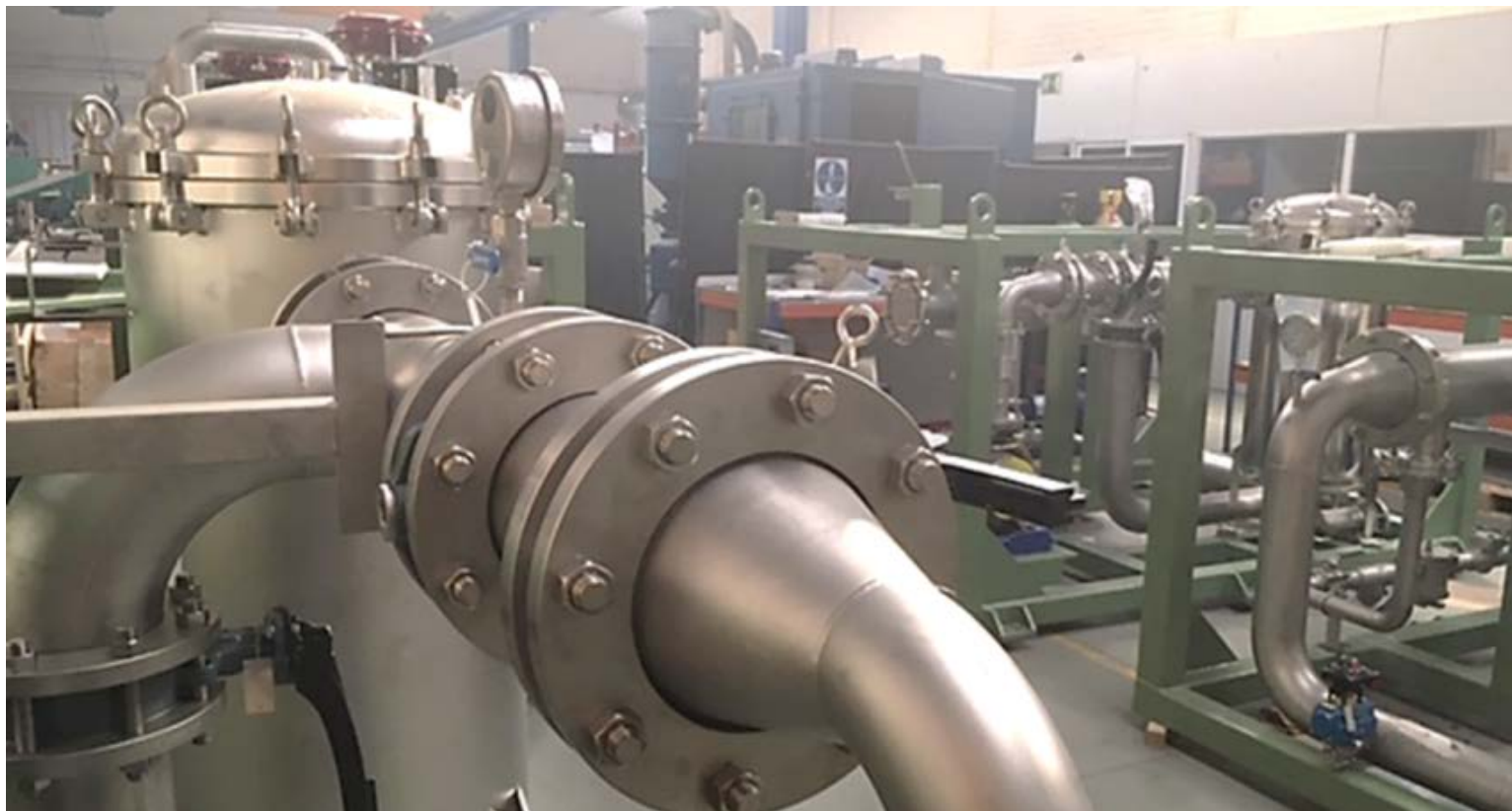
EXPERTS REMOVING FROM WATER, FOLLOWING ELEMENTS:

- Sodium Sulfate
- Leachate
- Nickel Plating
- Copper Foil
- Copper Sulfate
- Lithium
- Pesticide
- Chromium
- Chromate
- Bio Fermentation
- Washing Emulsion



The **thermal evaporation crystallizer** uses steam to evaporate wastewater at 35 °C under negative pressure, producing clear distillate and minimal solid waste. It operates fully automatically, 24/7, as a true zero-liquid-discharge solution. A special scraper prevents scaling by cleaning the tank walls and mixing the wastewater. This improves evaporation efficiency and makes it suitable for new energy, RO reject, concentrate and chemical industries.

The low-temperature **vacuum crystallizer with heat pump** operates solely on electricity, without steam or cooling water. Evaporation occurs at 35 °C under negative pressure, while a scraper prevents crystal adhesion on the tank walls. It converts wastewater into dry solid crystals and clear distillate, with automatic discharge. It is used in industrial solutions, minimizing solid or semi-solid waste.



**FILTRATION
AND
INJECTION**

Filtration and strainers can include ceramic filter elements, cellulose and textile elements, mesh screen or cartridges.

Extensive range of reverse osmosis systems for all water applications and budgets.

Chemical injection: Dosage of Phosphate; Hypochlorite; Bio-dispersant, Biocide...



Thank you!

In order to offer you, a technical solution that meets your requirements, please contact us at: sales@atc-sys.com

AVENIDA DE LA CONSTITUCIÓN
232, TORREJÓN DE ARDOZ,
28850 MADRID – SPAIN

Alberto Jiménez / BDM
alberto.jimenez@atc-sys.com



www.atc-sys.com