

BIOSOLIDS OPTIMIZATION & MANAGEMENT



How it works

The ICS Group has combined partner technologies to create a Biosolids Management package. This package includes the following:

- Shincci: Waste-Heat Sludge Dryer
- PWTech: Volute Dewatering Press
- SPIRAC: Shaftless Spiral Conveyors, Storage & Reveal

Key Takeaways

- 1 kWh dryer electricity removes up to 4.2 kg of water
- Dryer reduces wet sludge volume by 67% and weight by 80%
- Dewatering press is fully automated
- Highly efficient dewatering, handles feed sludges from <0.2% to >4%
- Odor control features minimal maintenance, reduced corrosion, and easy retrofit design
- Horizontal, vertical, and inclined shaftless conveyors, live-bottom silos & bunkers

TECHNOLOGY INFO

SHINCCI DRYER

SHINCCI has been devoted to the research & application of drying technology in the field of environmental protection for over 14 years. Today SHINCCI is a global leader in the development of Eco-Friendly Low-Temperature Sludge Drying Solutions.

- 1 kWh electricity alone is capable to remove as much as 4.2 kg of water from wet sludge
- Control processing temperature under 75°C. Intrinsic safe and no explosion worries.
- Biosolids sterilization rate higher than 90%

PWTech® Volute Dewatering Press

The key to the press is the unique dewatering drum design. This drum is able to achieve both thickening and pressing (dewatering) of the sludge in a single, compact operation.

- Great for multiple applications and a wide range of sludges
- Fully automated, does not require operator present
- Extremely low power consumption, low to no maintenance

SPIRAC®

The goal at SPIRAC is to manufacture customizable and durable conveying equipment.

- SPIROLINE®, SPIROLIFT® shaftless spiral conveyors
- No intermediate or end bearings, low RPMs, low power usage, low friction long life trough liner
- Sludge storage silos, truck receipt and unloading solutions
- Flexible design for ground level or raised storage
- Silos are virtually maintenance free



CONTACT OUR TEAM

Call for a consultation: (920) 661-7668
www.icsgrouptechnology.com