

# BIOSOLIDS MANAGEMENT



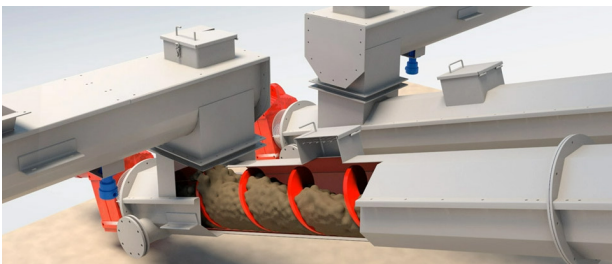
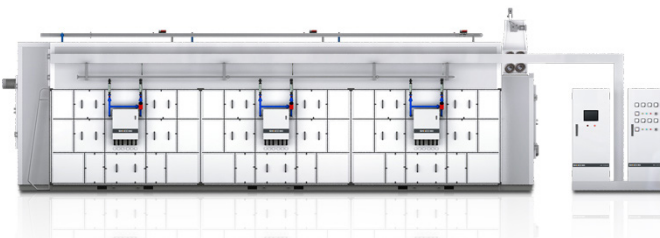
## THE ANSWER

to your biosolids drying and management problems

Effectively handling biosolids in your wastewater treatment facility can be overwhelming, but not anymore. If your municipality is looking for better technology, the ICS Group has created a Biosolids Management package.

### 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 <math><0.2\%</math> to >4%
- Odor control features minimal maintenance, reduced corrosion, and easy retrofit design
- Horizontal, vertical, and inclined shaftless conveyors, live-bottom silos & bunkers



### 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
- CSO Group: Terminodour™
- SPIRAC: Shaftless Spiral Conveyors, Storage & Reveal



# 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

## TERMINODOUR™

This technology uses pure ionization systems for effective odor abatement within your wastewater treatment facility.

- Designed and sized to suit your specific building
- Easy to retrofit
- Low maintenance and no media to replace or dispose
- No chemicals or chemical storage
- Simple, non-specialist maintenance
- Reduces sulphide corrosion to equipment

## 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 outloading 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](http://www.icsgrouptechnology.com)