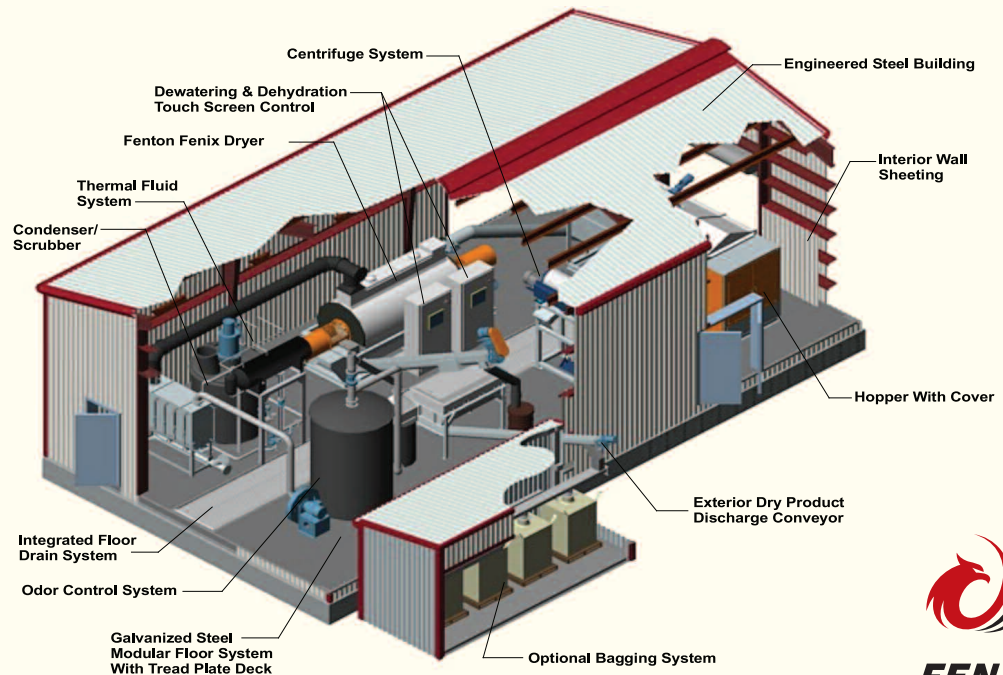




## FENTON FENIX™ CM TDP SYSTEMS The Extended Solids Solution

Imagine going from liquid digested sludge to bagged biosolids with one integrated system. The Fenix™ Total Design Package integrates dewatering, drying, and biosolids bagging in a compact unit (optional). The TDP comes housed in engineer-stamped buildings for supremely easy installation. This “all-in-a-box” solution gives major midsize WWTP’s the ability to produce a Class A EQ\* soil amendment without undergoing the difficulty, cost, and delay of major plant construction.



The illustration above shows standard components of a bagging TDP system (customization available).

### How it Works

Digested wastewater enters the TDP for dewatering by a decanting centrifuge. Sludge cake then travels to a multi-load hopper before entering the dehydration chamber. In the chamber a hollow-disk rotor turns the sludge and heats it using circulating thermal fluid. Process steam is treated with an advanced air handling system, which includes scrubber/condenser, carbon pack, biofilter, and HEPA filter. When a batch of biosolids has dried to the desired level it is discharged into a surge bin for cooling. Next it travels to a multi-station bagging system that packages biosolids into 1.5 cubic yard bags.

### Ideal for communities that:

- Need a Class A solution fast
- Lack space inside the existing plant for Class A equipment
- Want a pre-engineered solution that’s easy to install
- Want an integrated process that requires little operator attention
- Want a Class A process with a low throughput time
- Don’t want to undergo major construction

\* Input sludge that exceeds heavy metal content limits set by the EPA will not qualify as EQ biosolids.



### TDP Highlights

The **Fenton Fenix™** CM TDP is the easy, compact and complete sludge solution:

- In many cases, the buildings can be set on an existing concrete slab or asphalt surface
- Contained system reduces/eliminates employee exposure to sludge.
- Enclosed system contains sludge odors, air handling system eliminates biosolids odors.
- System is pre-plumbed, pre-wired, and factory tested for a quick installation.
- Single-operator system can run on shifts or continuously.
- System can run on natural gas, #2 fuel oil, propane, digester gas, landfill gas, or gas/oil combination.
- Single connection points for electric and fuel, single or dual lines for water supply.
- Package includes delivery, installation, calibration, and operator training.

**All you need is a forklift to take away the bags.**

### Standard Equipment

The compact and fully integrated **Fenix™** CM TDP standard design includes:

- Decanting centrifuge or belt press
- **Fenton Fenix™** CM biosolids dryer
- Advanced air handling system with HEPA filter
- Bagging system (non-bagging TDP available)
- Connecting conveyors
- Simple integrated system control with automatic monitoring
- Covered sludge hopper with leveler
- Thermal fluid unit
- Mixing surge bin for dry product cooling
- Easy to use PLC system
- Metal building/s

### Building Information

The **Fenix™** CM TDP includes installed metal shelter/s with the following features:

- Pre-engineered building
- Totally galvanized equipment framework serves as foundation
- System meets 90 mph to 150 mph wind load ratings
- Easy building access via large sliding doors and swing doors

### System Specifications

The experts at Fenton can work with communities to customize their TDP solutions by adding/subtracting components, engineering alternative dewatering technologies, placing the system inside a plant or other changes. The **Fenix™** CM TDP comes in various sizes to meet plant needs. To find out more about sizing and resulting system performance, specifications, and pricing contact Fenton at (800) 521-1708 or [sales@ifenton.com](mailto:sales@ifenton.com). To learn more about the ease, affordability and reliability of the **Fenton Fenix™** visit [ifenton.com](http://ifenton.com).