



TRIDENT'S AWARD-WINNING FINE-SOLIDS SEPARATION TECHNOLOGY IS NOW AVAILABLE AS COMPACT TURN-KEY SYSTEM. SIMPLE. AFFORDABLE. MOST CAPABLE.

CLEAN WATER GUARANTEED PERIOD



250 - 3,500 COWS PER UNIT

A single unit of the Trident Wave Nutrient Recovery System processes manure from up to 3,500 cows.



ALL MANURE & DIGESTATE

The system accepts flush, scrape or vacuum manure, with or without anaerobic digestion.



CLEAN WATER 99.9% SOLIDS FREE

Unmatched solids removal in a single-pass treatment for clean recycling water.



SIMPLE

Automated control system for unsupervised operation.



SEAMLESS

The system integrates seamlessly with your existing equipment.



AFFORDABLE

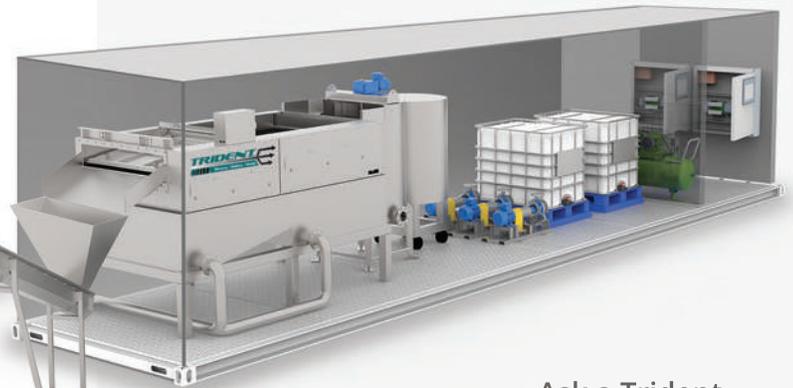
Competitive CAPEX and OPEX improve your bottom line.



TRIDENT WAVE

TURN-KEY SYSTEM INCLUDES:

- Process equipment
- Solids & liquid transfer system
- Automation & motor control center
- Modular housing system incl. HVAC, lighting and environmental controls



Ask a Trident representative for details or contact the Trident head office:

1-800-799-3740
www.tridentprocesses.com



PROVEN PERFORMANCE & UNDENIABLE RESULTS.

The *WAVE System* is a great option for dairies of all sizes optimizing their waste processes. The system benefits farms both operationally and environmentally.

PARTICLE SIZE MATTERS

Primary separation is a great start to capturing coarse solids and fiber. However, slope screens, drum screens, screw or roller presses are limited in regard to the particle size they can capture. Large amounts of fine solids (25 micron or less) including NPK nutrients remain in the effluent from primary separation affecting the downstream management adversely.

RECYCLING WATER

The ability to recycle clean water from raw manure or digestate is critical for an efficient farm operation. Not only does it create a sustainability advantage, it also accommodates effective sand separation and flushing and prevents plugging of irrigation systems.

LAGOON MANAGEMENT AND EMISSIONS

Drastically reduced solids loading reduces lagoon cleanout cycles. The absence of volatile solids also drastically reduces methane emissions.

NUTRIENT MANAGEMENT

The system allows dairies of all sizes to implement cost efficient precision nutrient management.

INTEGRATION WITH EXISTING EQUIPMENT

The *WAVE System* integrates with existing coarse solids separators and the modular design eliminates the need for buildings and other infrastructure.

TRIDENT WAVE System Specs

Number of Cows: 250 to 3,500 per single unit

Manure Type: flush, scrape, vacuum

Full integration with your existing equipment

Input Solids: 1 to 10% TS

Output Solids - Cake: up to 20% TS

Output Solids - Effluent: reaching 0.1% TSS

System Dimensions (LxWxH): 40' x 8' x 8.5' or 9.5'

What Trident Customers Say

"We are very impressed with Trident. They came and did what they said they would do, at the price they had quoted, and they did it within the promised timeline."

Dr. Michael McCloskey
Dairy Farm Owner & CEO

Contact us at +1-800-799-3740 to learn how we can help improve your bottom line.

