

# BEDDING RECOVERY SYSTEM

Technology for Modern Agriculture

Industry's Most Advanced Technology.  
Experience, Not Experiments.



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AUTOMATION



SAVINGS



SUPPORT



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Distributor/Dealer

## IT'S NOT MANURE ANYMORE™

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**Trident Equipment** ensures robust and efficient operation, combined with easy maintenance. Trident's system is fully scalable and integrated.



**PLC Control System** allows automated system operation, requiring minimal operator attendance. The process can be monitored remotely.



**Premium Bedding** consisting of large dry fiber, ensuring cow comfort and hygiene. The system can cover all of the farm's bedding needs.

## Effective Fiber Recovery Technology for Superior Bedding

The Trident Bedding Recovery Technology converts manure into a valuable resource. The system captures and separates large fiber from animal manure and makes it available for reuse as premium bedding material. The process includes feedstock conditioning, coarse fiber separation and dewatering, resulting in dry fiber material that is ready for immediate reuse as bedding or as a revenue generator for off-farm markets.

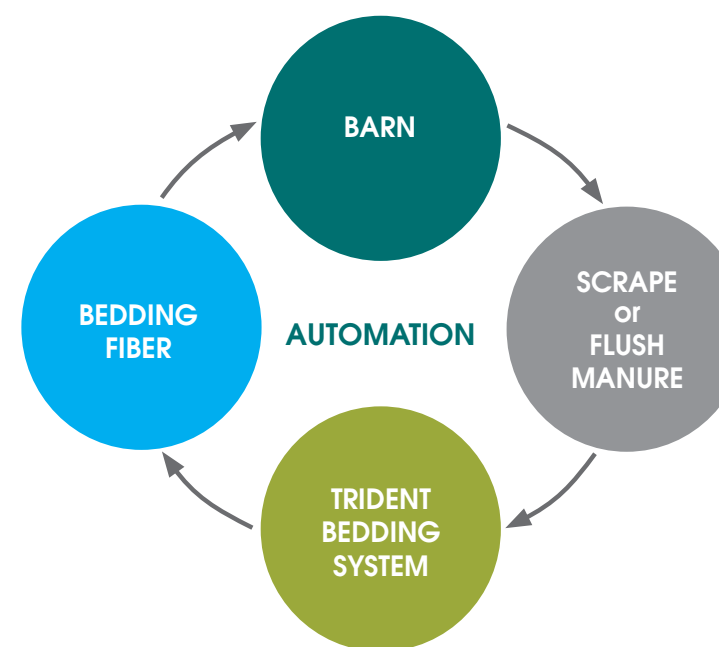
The technology is designed for flush or scrape manure handling and can be implemented as a stand-alone system or completely integrated in the Trident Nutrient Recovery process. The system is fully scalable and integrates well with or without Anaerobic Digesters.

It can be utilized as an innovative Digester Enhancement System (DES), which allows treatment of feedstock prior to an anaerobic digester, resulting in a more efficient digestion process.

*Trident's proprietary Cold Process allows effective fiber and nutrient recovery on farms without an anaerobic digester.*

Recycling fiber as bedding is an excellent way to promote animal health and comfort, and it represents a significant cost savings for the farm operation. The system can cover all of a farm's bedding needs, reducing manure management costs and eliminating the need to purchase bedding from external suppliers.

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## The Trident Advantages

- Production of own bedding eliminates purchase from external suppliers
- Quality bedding material promotes cow comfort and hygiene
- Turn-key system includes conveyors, platform and PLC controls for worry-free implementation
- Scalable to fit small to large dairy operations
- Optional DES configuration to enhance anaerobic digester
- Automated operation requires little operator attendance
- Web based access allows remote monitoring and control
- Simple maintenance procedures and effective technical support

## Importance of Particle Size - Bigger is Better



**\* New York State Cattle Health Assurance Program—Mastitis Module Fact Sheet**  
 "Pathogen numbers often increase with decreasing particle size." \*2002 NYSCHAP  
 "The small particle size supports very rapid growth of bacteria requiring more intensive bedding maintenance." \*2002 NYSCHAP  
 "Material of fine particle size are likely to cover teat skin leading to high population of bacteria on the teats and greater opportunities for intramammary infection." \*2002 NYSCHAP

### Bedding Comparison Particle Size Distribution

