

Tru-Grit® Manure Sand Saver

Model MSS



Removes and cleans sand from manure

Designed to help you effectively manage sand bedding

- Efficiently removes sand from manure
- Provides washed, clean sand for reuse
- Reduces equipment wear and hauling costs
- Significantly reduces sand replacement costs
- 80% - 90% or more sand recovery
- Minimal power and water requirements



Before: Typical sand laden dairy manure slurry prior to washing



After: Recovered sand, washed clean

A patented, innovative design for effective sand washing

Efficient Operation The Tru-Grit Manure Sand Saver is uncomplicated and requires minimal operator attention. Its efficient washing operation can reclaim 80% – 90% or more of the bedding sand that becomes mixed with manure during the normal operation of a dairy barn. This washed, reclaimed sand is clean, dry, odor free and ready for rebedding. Typically, less than 1% organics remain in the washed sand.

The Sand Saver has low wash water and energy requirements. Wash water can be 100% recycled water. Two low horse power motors operate automatically on demand.

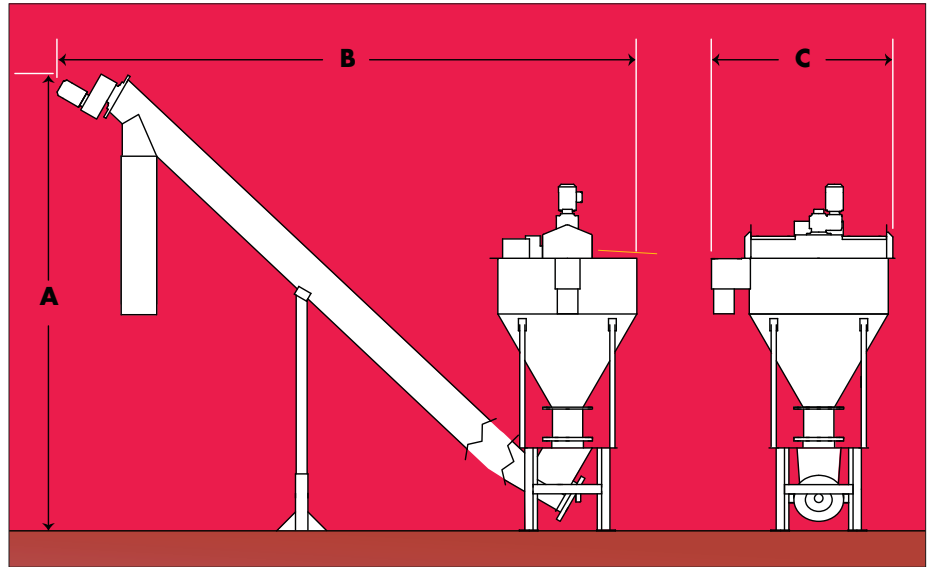
Fast Return on Investment Savings in sand replacement alone equal a very short payback period. With additional savings in lagoon and storage tank cleaning; reduced hauling and spreading costs and reduced equipment wear; the Tru-Grit Manure Sand Saver becomes a “Tru” money saver.

The Sand Saver is a clean, enclosed design quality engineered of durable, corrosion-resistant stainless steel. The shaftless spiral is constructed of heavy-duty carbon steel and there are no submerged bearings.

Simple, Automatic Operation

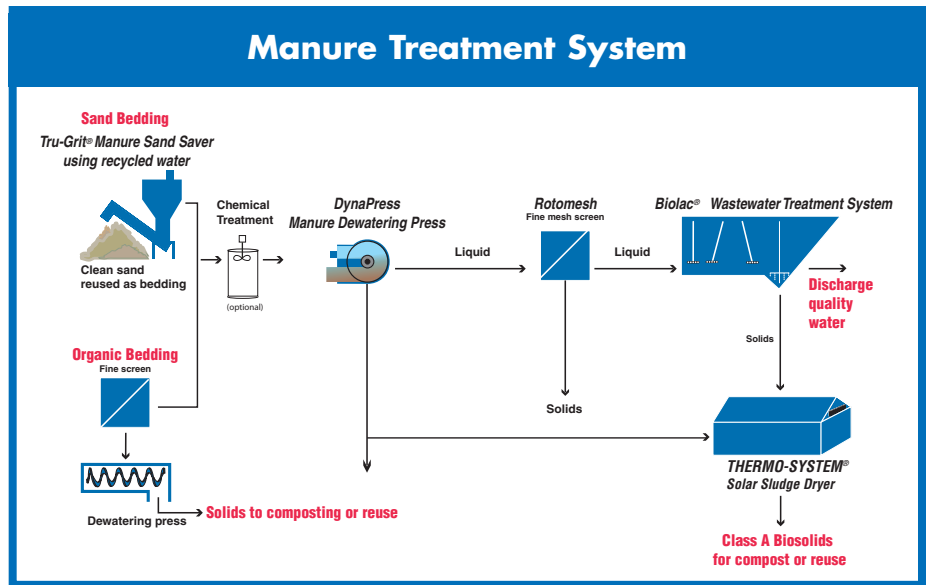
Sand laden dairy manure enters the Tru-Grit® Manure Sand Saver washing chamber through an opening at the top of the unit while wash water is introduced through an opening at the bottom. The descending sand flows countercurrent to the rising water, initiating the first stage of sand cleaning.

A lifting device moves slowly through the sand bed to loosen and dislodge the organic matter that has been trapped in the sand. The rising flow of water moves the organics upward and out the overflow. The clean sand is removed from the bottom of the tank by a shaftless spiral. The spiral conveys the clean sand upward, rotating slowly and intermittently to facilitate drainage before discharge.



	MSS2 (TGR400)	MSS5 (TGR1000)
Agitator Motor	3/4HP	1½ HP
Spiral Motor	1 HP	2 HP
Height A	146	147
Length B	268	281
Width C	60	98
Dry Weight	2,800	3,950
Operating Weight	5,800	11,000

Dimensions in inches and weight in pounds are approximate



Parkson Corporation can provide complete Dairy Manure Treatment Systems and components that produce recycled water to be used for system requirements, irrigation or discharge. These systems are designed for nutrient removal (Phosphorus, Nitrogen, BOD), liquid/solid separation and odor control.

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ISO 9001:2000 Certified
 Quality Management System

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