Recycled Bedding Pasteurizer

Produce comfortable and safe bedding automatically and precisely.

Recycling manure into top quality bedding as cow comfort is key to better productivity.

Features

- Type 304 stainless steel vessel
- Planetary gearbox mixer drive
- Stainless steel mixing / aeration paddles
- Heat recovery blower
- Integrated sensors monitor processes
- Moisture extraction blower
- Planetary drive discharge auger
- User-friendly control panel

Benefits

- Constant quality control for a consistent result at all times.
- Easy to use and integrate into your automated manure handling system.
- Low energy consumption.
- Compact unit requires little space.
- Excellent return on investment.

The **user-friendly control system*** constantly monitors and self-adjusts the process to ensure optimum quality of bedding. Remote access allows you to monitor and manage information and will alert you if there is a problem. *Requires Internet access.

Proper stall maintenance is always important, but maximizing comfort is much easier when you have unlimited amounts of high-quality bedding, produced on your own farm at very low cost.

Recycled manure bedding: an economical, ecological and safe solution.

- The use of bedding made from recycled manure eliminates the need to use traditional bedding such as straw, sand or wood shavings.
- It reduces the on-farm storage requirements for traditional bedding.
- It reduces the total volume of manure to store, mix and spread each year.
- It gives a second life to fiber not digested by the cow.

Separation cycle

1. Manure collection

2. Manure separation

Separated fibers - 35-38% DM

Healthy and happy cows

Recycled bedding - 38-42% DM

3. Pasteurization

Recycled bedding storage

Upon exiting the pasteurizer, storing recycled bedding in a **Bedding Box** is the perfect choice for automated distribution systems including the **Bedding Robot**.

- Heavy gauge stainless steel wall panels and floors.
- Models from 3,000 to 20,000 lb (1,300 - 9,100 kg) capacity.

For healthy and safe bedding.

Pasteurization process

The separated manure solids exiting the separation process are typically at **35% to 38% dry matter**.

The fiber enters the Xpress PS and passes through a carefully controlled aerobic process in which the material is mixed and heated to a temperature of **65°C / 149°F to 70°C / 158°F for at least 60 minutes** to achieve true pasteurization.

In addition to the reduction or elimination of pathogens through pasteurization, the bedding exiting the Xpress PS **is also now drier**.

The precise control of the entire pasteurization process takes all the guess-work out of converting manure wastes into healthy and safe bedding for your herd.

Separated manure solids exiting the Xtra-Press separator.

The Xpress PS mixes and heats the separated fibers.

How much bedding do I need?

Typical usage per cow per day

Deep stalls: 7 – 15 lb (3 - 7 kg)

On mattresses: 4 – 8 lb (2 - 4 kg)

 # cows X daily usage = total per day
(weight per cow / day)

Typical daily bedding production*

Model	Normal pasteurization** (12 hour cycle)	Long cycle operation*** (24 hour cycle)
Xpress PS-250	4,000 lb (1,814 kg)	2,000 lb (907 kg)
Xpress PS-500	8,000 lb (3,629 kg)	4,000 lb (1,814 kg)
Xpress PS-1000	16,000 lb (7,257 kg)	8,000 lb (3,629 kg)
Xpress PS-2500	40,000 lb (18,143 kg)	20,000 lb (9,072 kg)

* Results may vary depending on the methods used.
** 2-4% DM increase is typical. *** 4-6% DM increase is typical.

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