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.

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without prior notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.



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FEEDING SYSTEMS

MANURE HANDLING SYSTEMS

MANURE WHEELGOODS



Recycled Bedding **Pasteurizer**

Produce comfortable and safe bedding automatically and precisely.





^{** 2-4%} DM increase is typical. *** 4-6% DM increase is typical.

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

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.



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.



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.



Separation cycle



1. Manure collection



Healthy and happy cows



2. Manure separation



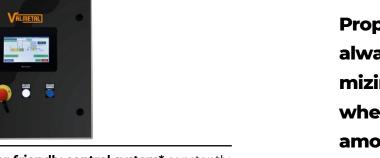
Recycled bedding - 38-42% DM



Separated fibers - 35-38% DM



3. Pasteurization



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.

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.