

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.

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.



Quebec, CA
(819) 845-7843

California, US
(559) 685-0340

Wisconsin, US
(608) 374-2206

info@valmetal.com

FEEDING SYSTEMS
FEEDING WHEELGOODS
MANURE HANDLING SYSTEMS
MANURE WHEELGOODS



Recycled Bedding Pasteurizer

Produce comfortable and safe bedding automatically and precisely.



13C72-0122 (04/2022)

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.



Separation cycle

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.



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.



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.