



2020 BALE PROCESSORS

Vermeer





A BALE PROCESSOR TO

For many years, livestock producers have embraced the use of bale processors for a lot of different reasons. When you visit with owners and operators, one of the biggest reasons they prefer bale processors is the versatility the machine brings to their operation.

Finding efficiencies

Owners can process everything from hay to cornstalk bales, and round bales to square bales. They get the flexibility to perform all kinds of tasks with a machine like the Vermeer BPX9010 bale processor — laying down windrows in the field, bunk feeding, creating hay material for total mixed rations (TMR) and blowing bedding into barns or forage into storage bunkers. Other types of processors can even be used for different industries — for example, the Vermeer Catapult® CPX9000 bale processor is designed to process round or square bales and accurately distribute material up to

100 ft (30.5 m). In an agricultural application, this is beneficial for livestock producers to be able to bed their livestock in covered buildings. In an industrial application, the CPX9000 can be used for land reclamation projects to distribute a consistent layer of straw, helping to reduce erosion.

The bottom line: Owning a bale processor can seriously boost your capabilities.

Improved palatability

One of the biggest reasons why a livestock producer sees value in a bale processor is their ability to help turn marginal quality hay into a more palatable feed for livestock. Why? Processing hay helps effectively eliminate the dust, mold and mildew that accumulates over time in a bale before the hay enters the digestive system of the cows. Plus, hay processing reduces the amount of sorting, waste and manure that

typically takes place around the bale ring. The Vermeer Final Cut™ FPX9000 bale processor comes with multiple cutting stages, which can reduce the size of processed hay down to an average cut length of 1.25 in-4 in (3.2 cm-10.2 cm), giving producers the flexibility to process and then mix their own feed rations. According to University of Wisconsin Forage Agronomist Dr. Dan Undersander, this hay length is the optimal material size for digestibility and efficiency in the cow's rumen. The bale processor will also help enable you to produce a piece of your TMR feed or to process hay into feed bunks along with other grains or supplements.

Waste not, want not

If you process hay on a daily basis (even if you are processing into a windrow in open range on the ground), you can limit intake and reduce hay loss. Bale processors allow operators to better control and monitor

FIT YOUR OPERATION

consumption. Processing and windrowing bales in the field can result in more hay consumed and less hay wasted. Your cows can get an equal opportunity at feeding time because they have greater access compared to feeding with bale rings or simply unrolling bales in the field.

Evaluate your needs

There is no one answer to the question, “Does a bale processor make sense for a livestock operation?” The needs of each operation vary, so it's important to evaluate what you really want to accomplish. Look around

your operation and consider the possibilities — then ask your dealer for a demonstration.

BPX9010 bale processor: Utility player

Preferred operation: Operations that need an all-around processor to perform a variety of applications.

Key strengths: Feeding or bedding. Distribute a consistent, uniform windrow of crop along the bunk line or out in the pasture. Also used for spreading bedding across dirt lots or pastures.



Final Cut FPX9000 bale processor: Particle size specialist

Preferred operation: Producers who want a consistent fine-cut product for TMR as well as feed efficiency in their cattle.

Key strengths: Consistently processing material in average cut lengths of 1.25 in-4 in (3.2 cm-10.2 cm) long.



Catapult CPX9000 bale processor: Long-distance thrower

Preferred operation: Operators who need to get up and over feed bunks or distribute material at long ranges in both cattle operations and erosion control applications.

Key strengths: Processing and distributing forage materials consistently and accurately at long distances (up to 100 ft [30.5 m]).



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Meet the BPX9010 bale processor. This workhorse combines simplicity, durability and versatility — an all-around processor ready to perform a variety of applications. Distribute a consistent, uniform windrow of crop along the bunk line or out in the pasture. Also, spread bedding with consistency and accuracy at ranges up to 50 ft (15.2 m). The BPX9010 eases the processing of bales.

Simplicity. Load, operate and maintain it with ease. Go to the field ready to process bales smoothly and consistently.

Durability. A robust, heavy-duty and reliable bale processor that's ready to help maximize productivity and prolong machine life.

Versatility. Process round or large square bales of varying qualities, and distribute material where and how you want it.

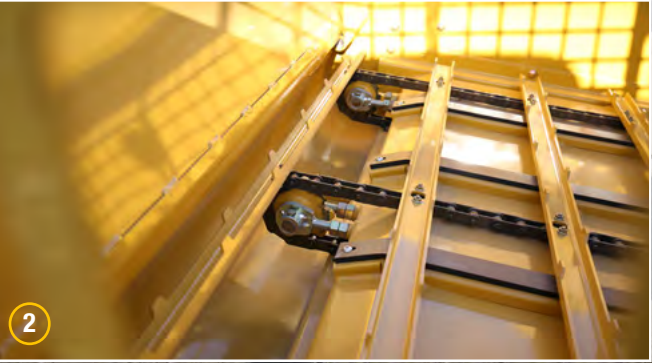
The BPX9010 is designed to meet the needs of operators who want productivity and ease of operation. Operators who want to distribute consistent and uniform windrows, reach tight spots along the bunk line or spread bedding evenly and consistently. Operators who demand ease of maintenance so they can get back to work. It's a workhorse bale processor that's tough enough to keep up with your operation.



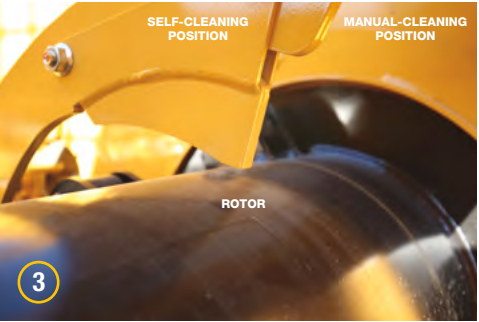
BPX9010 BALE PROCESSOR



1 Process large square bales with the optional powered sidewall kit and the optional straight fork kit. Offset loader forks position the bale to the right-hand side of the processor, and the movable wall repositions so you can process large square bales. Now your round bale processor has enough control to process large square bales evenly and consistently, as well.



2 The slat-and-chain bale rotation design feeds bales consistently into the rotor — reducing the need to reverse rotation. Heavy-duty sprockets and chains allow misshaped bales to be processed smoothly. Split shafts let you perform maintenance without removing the entire bed.



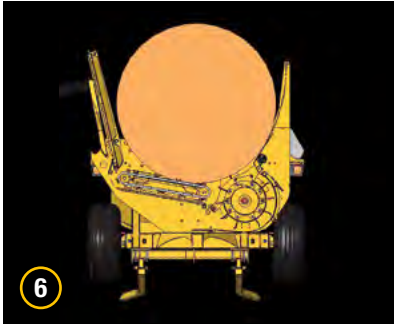
3 Cutting twine off the rotor has been among the most hated jobs, until now. The rotor cleaner attachment can be moved on the cut control bars to help reduce the excessive net and twine on the rotor. Operators can access the rotor from the left side of machine by simply opening the side door.



4 A vertical bale lift system helps make it quicker and more convenient to load bales and can reduce stress on the machine. Plus, the robust T-style tongue frame has no welds or gussets at high stress points and is bolted high on the tub, which offers enhanced durability.



5 The new toolless cut control bar design allows dual adjustments to be made for increased aggression and is accessible from outside the machine. Ten different settings allow producers to be in control of processing speed and material size.



6 An offset rotor pulls material through for consistent feeding and helps prevent uncontrolled fall-through when slowing down the machine. Process whole bales of varying shapes (with a powered sidewall kit) and qualities to produce uniform windrows, hit tight spots along the bunk line or spread bedding evenly up to 50 ft (15.2 m).

The Final Cut™ FPX9000 bale processor combines cutting consistency, speed and versatility to provide true fine-cut capability and a rapid processing time. Control when you process feed and produce an optimal material size for feed-mixing purposes to help increase feed efficiency in your cattle.

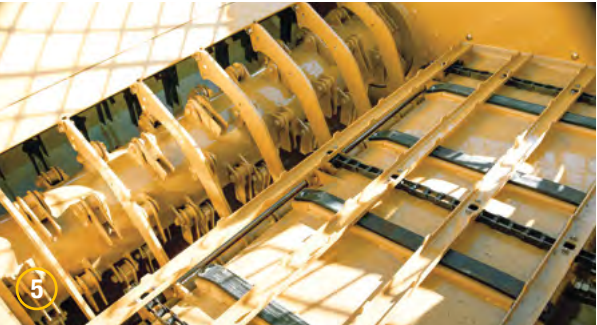
The FPX9000 delivers a consistent, average cut length of 1.25 in-4 in (3.2 cm-10.2 cm) by passing through multiple cutting points. Putting 60 knives on each rotor provides an optimal amount of contact with the bale to produce a consistent cut length from start to finish. This allows for fast mixing with a TMR, as well as smaller particle size to aid feed efficiency in your cattle.

Process the amount of feed you want, when you need it. And with the optional automatic bale feed system, you can help improve the efficiency of processing the bales. The FPX9000 is ready for windrow or bunk feeding — or processing material into a bunker or other storage item for mixing rations later. Plus, an optional powered sidewall gives you the versatility to process round or square bales.

Cutting consistency for feed efficiency. Consistent speed for quick processing. With the FPX9000, you have final say over how the job gets done.

- 1 The FPX9000 is ready for windrow or bunk feeding — or processing material into a bunker or other storage item for mixing rations later. An optional powered sidewall allows you to process large square bales as well as big round bales.

FINAL CUT™ FPX9000 BALE PROCESSOR



- 3 True fine-cut capability. The primary rotor initially cuts pieces of crop from the bale before delivering it to the high-speed rotor for further chopping before sending it back through the primary rotor and ejecting it from the machine. These multiple touch points provide consistency of cut size throughout the entire bale, which speeds up mixing in a TMR and aids in better feed efficiency of your cattle.
- 4 Lessen the chance of unprocessed crop being fed through the machine with durable intermeshing knives on both the primary and high-speed rotors. These components produce consistent processed material and help reduce twine and net buildup.
- 5 Bales are consistently fed into the primary rotor, reducing the need to reverse the bale rotation. The slat-and-chain bale rotation design allows for convenient maintenance without the need to remove the entire rotation bed and can help reduce the need to replace bushings and bearings.
- 6 Dual direct-drive gearboxes provide even distribution of power to the rotors of the machine. This design helps deliver durability while minimizing maintenance.

CATAPULT® CPX9000 BALE PROCESSOR

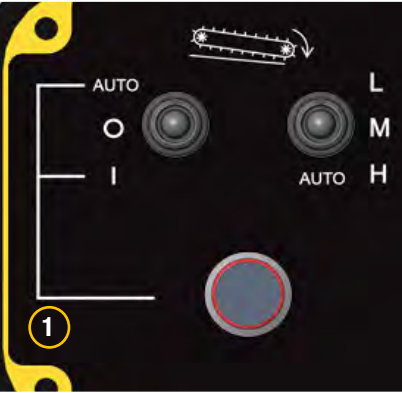
The Catapult® CPX9000 bale processor gives operators the ability to process and distribute forage materials smoothly, consistently and accurately at long distances, making it ideal for multiple applications.

This machine has the power to throw forage material up to 100 ft (30.5 m) in order to get up and over feed bunks in a cattle operation or for land reclamation and erosion-control purposes.

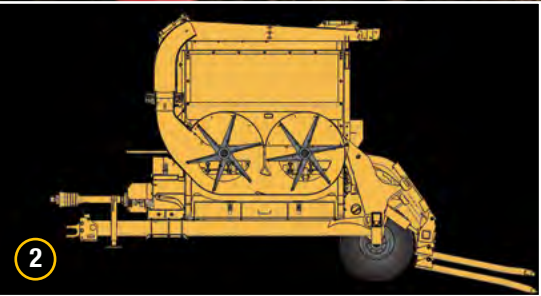
The CPX9000 also has the versatility to process round or square bales, adjust throw distances, control how the spout is angled and how the crop is distributed.

What's more is that the performance and ease of use of an automatic bale feed system provides smooth material feeding with limited operator assistance.

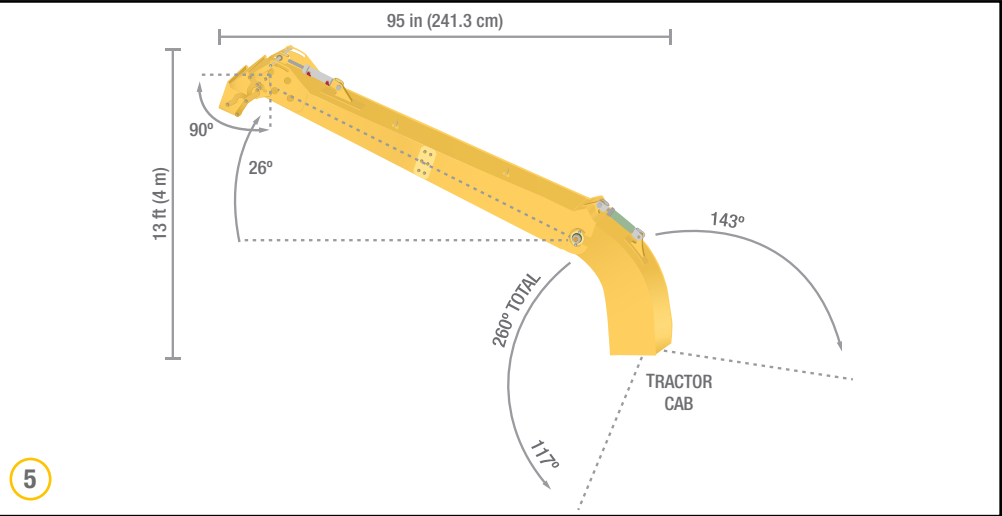
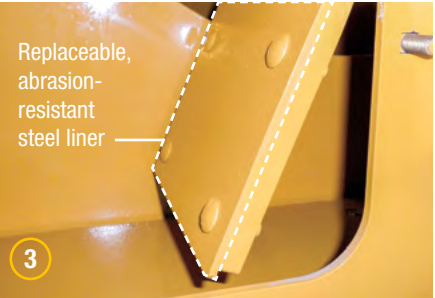
It's clear that the CPX9000 offers a high standard in power, versatility and ease of operation. Plus, the simplicity, durability and ease of maintenance is something operators have come to expect from Vermeer.



1 The automatic bale feed system helps optimize productivity and provides smooth material feeding through automatic slow down or speed up to maintain a consistent operating PTO and rotor rpm. All this makes it more convenient for the operator to manage the feeding system.



2 Direct feed from a dual-fan blower system provides consistent material flow from the tub to the spout — which helps reduce inconsistent material flow common with non-direct feed systems.



- 3 Replaceable, abrasion-resistant steel liners provide durability, especially needed when processing contamination-filled material like cornstalks.
- 4 Optional hydraulic cut control bar kit lets the operator make cut length adjustments from the tractor cab. Use hydraulic control alone or in conjunction with reversible bale rotation to help mitigate tough processing conditions.
- 5 Hydraulic controls provide the operator the ability to choose how the spout is angled and how the crop is distributed. Operators have the ability to change the angle of the deflector up to 90°, making it ideal for curbside applications.

BPX9010/FPX9000/CPX9000 BALE PROCESSORS SPECIFICATIONS

DIMENSIONS AND WEIGHTS	BPX9010	FPX9000	CPX9000
Length	15.8 ft (4.8 m)	15.8 ft (4.8 m)	15.6 ft (4.8 m)
Height	8.5 ft (2.6 m)	8.8 ft (2.7 m)	10 ft (3 m)
Transport width	8.2 ft (2.5 m)	8.4 ft (2.6 m)	8.4 ft (2.6 m)
Operation width	11.2 ft (3.4 m)	12 ft (3.7 m)	19.8 ft (6 m)
Weight	5240 lb (2376.8 kg)	6280 lb (2848.6 kg)	7460 lb (3383.8 kg)
Drawbar weight	1480 lb (671.3 kg)	1900 lb (861.8 kg)	2500 lb (1134 kg)
TRACTOR REQUIREMENTS			
Minimum PTO horsepower	85 hp (63 kW)	110 hp (82 kW)*	110 hp (82 kW)*
Recommended PTO horsepower	100 hp (75 kW)	150 (112 kW)	150 hp (112 kW)
Maximum PTO horsepower	210 hp (157 kW)	210 hp (157 kW)	210 hp (157 kW)
PTO speed	1000 rpm	1000 rpm	1000 rpm
Hydraulics type	3 double-acting	3 double-acting	2 double-acting
Hydraulic pressure	2000 psi (137.9 bar)	2000 psi (137.9 bar)	2000 psi (137.9 bar)
Hydraulic flow rate	8 gpm (30.3 L/min)	10 gpm (37.9 L/min)	15 gpm (56.8 L/min)
GENERAL SPECIFICATIONS			
Axle adjustment	12 in (30.5 cm) each axle	12 in (30.5 cm) each axle	12 in (30.5 cm) each axle
Bale rotation	3 roller chains with bolt-on cross slat	3 roller chains with bolt-on cross slat	3 roller chains with bolt-on cross slat
Bale size capacity	(2) bales, 6 ft x 5 ft (1.8 m x 1.5 m)	(2) bales, 6 ft x 5 ft (1.8 m x 1.5 m)	(2) bales, 6 ft x 5 ft (1.8 m x 1.5 m)
Bale weight capacity	2500 lb (1134 kg)	2500 lb (1134 kg)	2500 lb (1134 kg)
Blower	NA	NA	(2) 38.6 in (98 cm) blower fans (1500 rpm front and 1000 rpm rear)
Cut control bar adjustment	Hand lever with 5 settings, plus an additional high/low setting	Hand lever with 5 settings	Hand lever with 5 settings
Cut control bar quantity	7	7	7
Discharge direction	Right hand	Right hand	Right and left hand, a 260° rotation
Flail description	7/16 in (1.1 cm) x 5-9/16 (14.1 cm) in tempered spring	Dual 1/4 in (0.6 cm) blade x 5-1/2 in (14 cm)	7/16 in (1.1 cm) x 5-9/16 (14.1 cm) in tempered spring
Flail drum diameter	26.8 in (68.1 cm)	26.8 in (68.1 cm)	26.8 in (68.1 cm)
Flail drum length	78 in (198.1 cm)	78 in (198.1 cm)	78 in (198.1 cm)
Flail drum speed	1000 rpm	1500 rpm	1000 rpm
Flail quantity	30	60	30
High-speed rotor flail description	NA	3/16 in (0.5 cm) x 6-11/32 in (16.1 cm) in reversible knives	NA
High-speed rotor diameter	NA	22.2 in (56.4 cm)	NA
High-speed rotor length	NA	75.2 in (191 cm)	NA
High-speed rotor speed	NA	3000 rpm	NA
High-speed rotor flail quantity	NA	60	NA
Hitch jack	5000 lb (2268 kg)	5000 lb (2268 kg)	7000 lb (3175.1 kg)
Horizontal spread distance	Up to 50 ft (15.2 m)	Up to 40 ft (12.2 m)	Up to 100 ft (30.5 m)
Safety chain kit	10,000 lb (4535.9 kg)	10,000 lb (4535.9 kg)	10,000 lb (4535.9 kg)
Spout length	NA	NA	7.9 ft (2.4 m)
Spout deflector	NA	NA	0° to 90° down
Spout rotation	NA	NA	260°
Tire size – standard	14L x 16.1FL	14L x 16.1FL	16L–16.1SL 6 SofTrac II
Torque protection – driveline	Shear bolt	Shear bolt	2 shear hubs

*Minimum PTO horsepower with automatic bale feed. Without automatic bale feed, use recommended PTO horsepower.

BPX9010 OPTIONAL FEATURES

- ▶ Extra cut control bars kit
- ▶ Flotation tires — 16.5L-16.1SL 6 SofTrac II
- ▶ Two hydraulic remote kits
- ▶ Scale kit
- ▶ Material containment kit
- ▶ Powered sidewall kit
- ▶ Square bale fork kit
- ▶ Front discharge curtain
- ▶ Hydraulic cut control bar kit

FPX9000 OPTIONAL FEATURES

- ▶ Extra cut control bars kit
- ▶ Flotation tires — 16.5L-16.1SL 6 SofTrac II
- ▶ Hydraulic cut control bar kit
- ▶ Scale kit
- ▶ Automatic bale feed system kit
- ▶ Material containment kit
- ▶ Powered sidewall kit
- ▶ Square bale fork kit

CPX9000 OPTIONAL FEATURES

- ▶ Extra cut control bars kit
- ▶ Hydraulic cut control bar kit
- ▶ Material containment kit
- ▶ Camera kit
- ▶ High-wear resistance liner

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