



PENTA

HAGEDORN

HYDRA-SPREAD



PENTA'S STORY

THE CORE VALUES OF THE FAMILY FARM ARE IMPORTANT TO PENTA'S PEOPLE, AND ARE KEPT CLOSE TO THE HEART OF EVERY DECISION WE MAKE.

Penta has been providing practical, reliable farm equipment for decades, combining hands-on farming experience with engineering expertise. The company entered the farm industry in the 1970s, initially through the sales and service of dairy equipment, particularly feeding and milking systems.

In the early 1990s, Penta expanded into TMR mixers, selling and servicing all makes and models in the local market. This hands-on work gave the team a deep understanding of mixer mechanics and operator needs, knowledge that shaped the development of Penta's own TMR mixers, which began production in 2000 and became available in 2001.

Over the next decade, the mixer line grew with the introduction of new auger systems, larger capacities, and expanded model options, while Penta expanded its reach into international markets and relocated TMR production to Petrolia, Ontario. In 2012, Penta added forage dump trailers to its lineup, providing farmers with strong, efficient, and reliable Dumpbox trailers designed to handle heavy loads and improve farm productivity.

Born to fill the need for a more reliable manure spreader, the first Hagedorn Hydra-Spread models were released in 1990. In 2006, vertical beater models were introduced, providing a precise, uniform spread pattern. Hagedorn spreaders were integrated into the Penta product line in

2015, combining decades of engineering expertise with modern manufacturing, creating machines that perform as farmers need them to—reliable, durable, and easy to use.

With every piece of equipment, Penta remains guided by the same values that have shaped the company from the beginning: owned by farmers, built by farmers, and designed to help farms succeed.



Superior Push-Gate

Built on Penta's legacy of precision and reliability, our push-gate system delivers unmatched control and total clean-out efficiency, reflecting our commitment to superior performance in every field.

PUSHING THE BOUNDARIES

The innovative concave design of the push-gate sets a new standard in spreader performance. Engineered to closely follow the beaters, it ensures complete material flow and virtually eliminates buildup along the sides. This optimized curvature not only maximizes clear-out efficiency but also reduces maintenance downtime, keeping operations running smoother and longer. By combining precision engineering with rugged durability, the concave push-gate redefines what a high-performance spreader can deliver.

BUILT TO WITHSTAND

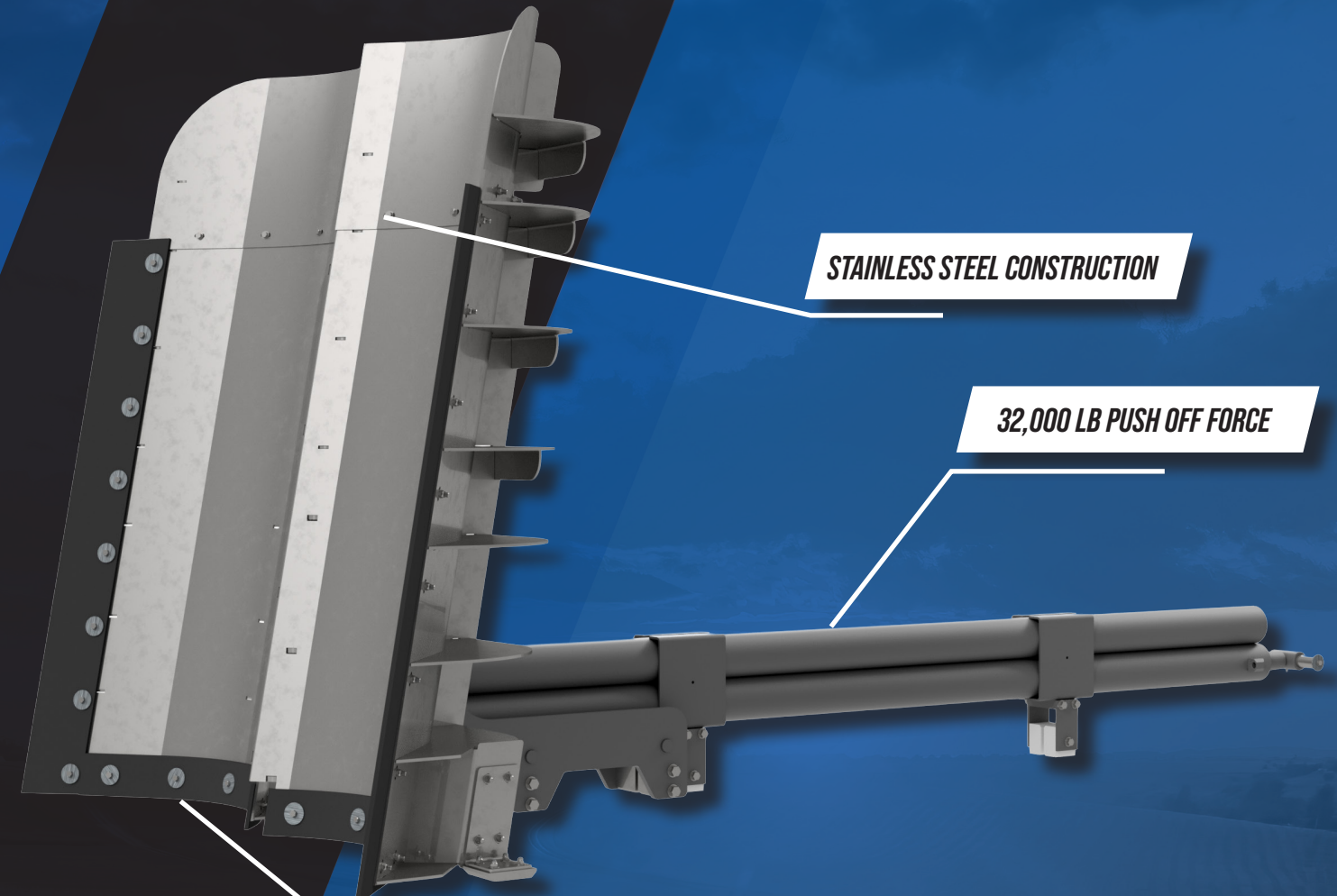
Crafted fully from stainless steel, the push-gate is engineered to resist the harshest conditions and prevent erosion caused by manure and abrasive materials. This durable construction ensures long-lasting performance, reducing wear and extending the life of your spreader. By combining corrosion resistance with rugged strength, the stainless steel push-gate keeps your operations running reliably, even under the toughest workloads.

HYDRAULICS THAT WITHSTAND THE TOUGHEST JOBS

Proudly manufactured in North America, the push-off cylinders set a new standard for durability and performance. Our innovative hollow-rod design channels oil flow through the rod itself, eliminating tangled hoses and ensuring smooth extend and retract cycles. Built to handle strokes up to 17 feet, the rugged ball-type seals accommodate flexing without compromise, while pistons and glands crafted from high-grade ductile iron provide maximum wear resistance and long-lasting durability.

INNOVATIVE CONTROL, MAXIMUM EFFICIENCY

Penta manure spreaders feature the innovative Hydra-Spread flow control valve, engineered for precise, consistent unloading every time. Designed and manufactured exclusively for Hagedorn, this valve works seamlessly with all modern hydraulic systems, including an internal bypass that ensures quick return no matter the unloading speed. By controlling the flow, it delivers a consistent processing rate from load to load, giving you dependable distribution and application you can count on. A standard sequencing valve is integrated to prevent the pushgate from engaging before the endgate is raised, avoiding accidental collisions and costly damage



STAINLESS STEEL CONSTRUCTION

32,000 LB PUSH OFF FORCE

PRECISION CLEARANCE DESIGN



VARIABLE RATE

AVAILABLE TOPCON ATHENE VARIABLE RATE CONTROL IS AN INDUSTRY FIRST ON HYDRAULIC PUSH SPREADER. MANURE APPLICATION RATES CAN BE ADJUST VIA PRESCRIPTION MAPS AND ENSURE A PRECISION SPREAD INDEPENDENT OF TRACTOR SPEED

Advanced Beater Assembly

Penta's beater assembly showcases our dedication to innovation, durability, and unmatched spreading efficiency, setting a new benchmark in performance and reliability.

ENGINEERED FOR COMPLETE PROCESSING

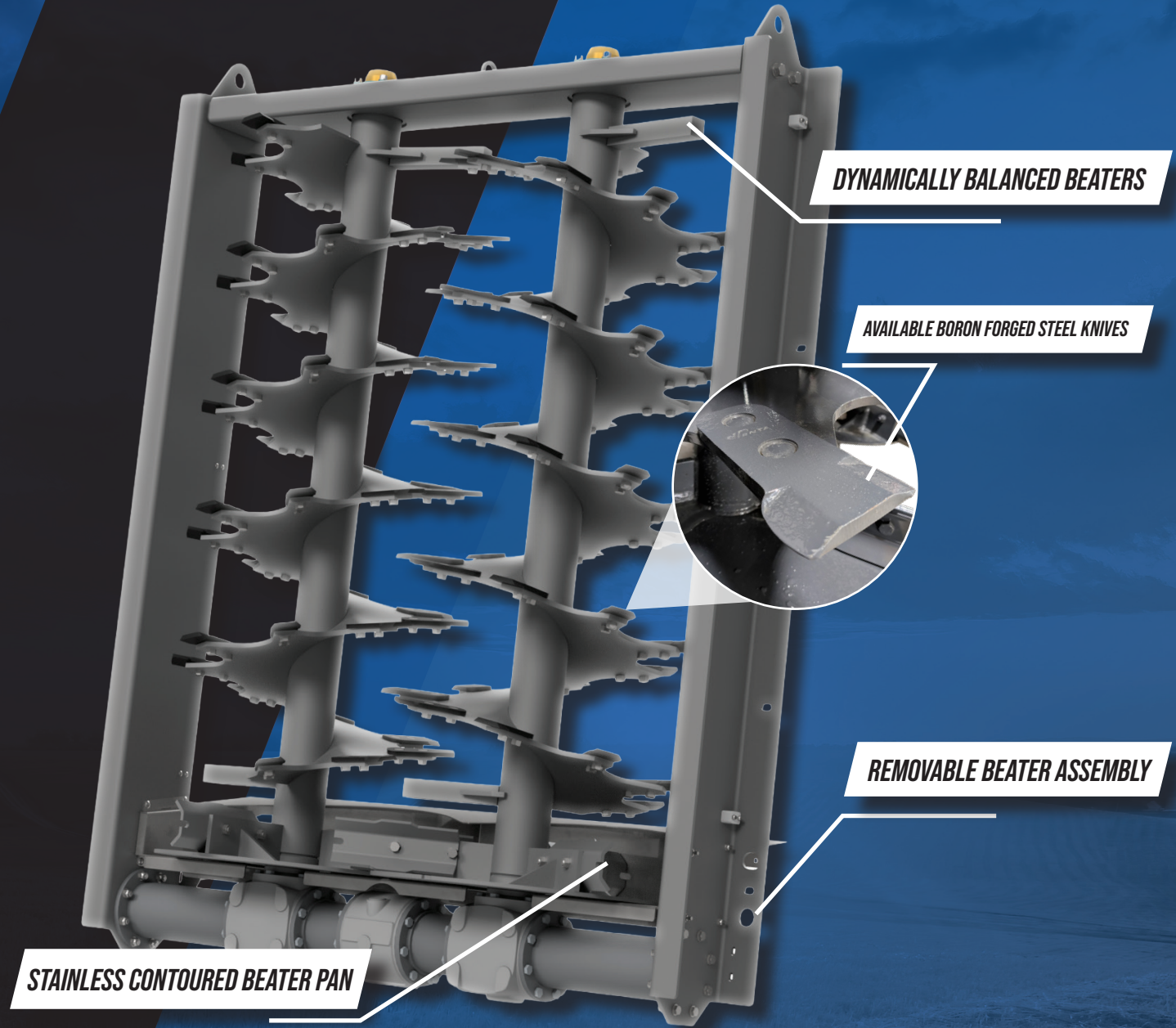
Hagedorn's Penta vertical beaters feature closely spaced spirals with overlapping tips, designed to tackle the toughest conditions in North American agriculture. The helix shape extends all the way to the bottom of the beater, eliminating dead spots and ensuring every particle is processed. With blades that slice through fibrous materials, this innovative design produces a consistently fine material, maximizing nutrient availability while maintaining reliable performance under heavy use. Optional forged and hardened components further enhance durability in abrasive or high-wear applications.

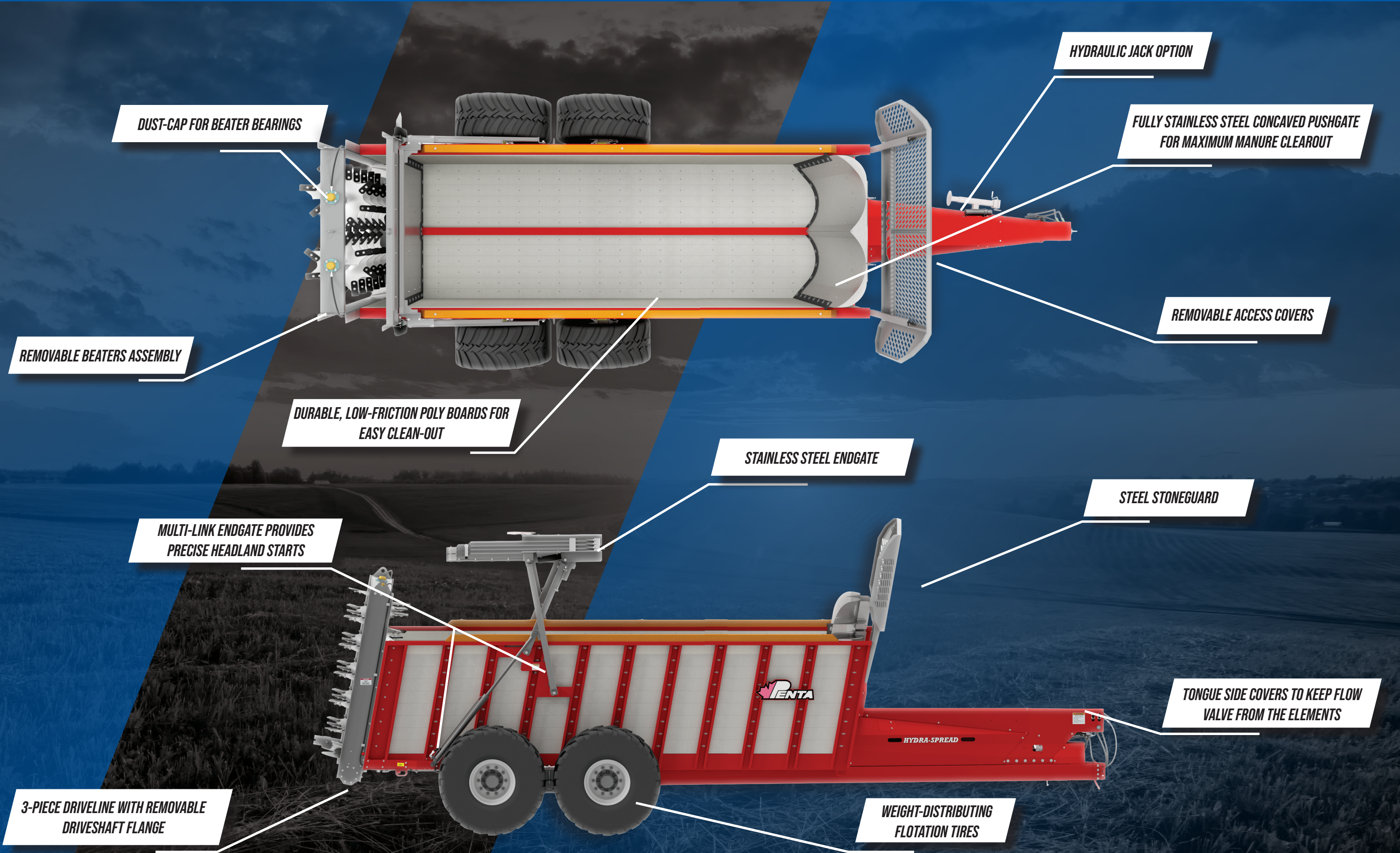
OPTIMIZED DISTRIBUTION FOR MAXIMUM COVERAGE

The Penta beater system is engineered to deliver a precise and consistent spread pattern across the entire field. An impeller at the bottom of each beater ensures even distribution of fine materials and semi-solids, while the blades propel materials exactly where they need to go. This results in improved nutrient distribution, reduced waste, and enhanced control over every load.

SEGMENTED STRENGTH FOR RUGGED PERFORMANCE

The 3-piece drive shaft is engineered for strength, durability, and ease of maintenance. By splitting the driveline into three sections, it reduces stress on individual components, improves torque transfer, and minimizes the risk of damage under heavy loads. This segmented design also simplifies upkeep—each section can be serviced or replaced independently, cutting downtime and maintenance costs. Built to withstand the toughest conditions, the 3-piece drive shaft delivers reliable power transfer while making maintenance faster, easier, and more efficient, keeping your spreader running at peak performance season after season.





DUST-CAP FOR BEATER BEARINGS

HYDRAULIC JACK OPTION

FULLY STAINLESS STEEL CONCAVED PUSHGATE FOR MAXIMUM MANURE CLEAROUT

REMOVABLE BEATERS ASSEMBLY

REMOVABLE ACCESS COVERS

DURABLE, LOW-FRICTION POLY BOARDS FOR EASY CLEAN-OUT

STAINLESS STEEL ENDGATE

STEEL STONEGUARD

MULTI-LINK ENDGATE PROVIDES PRECISE HEADLAND STARTS

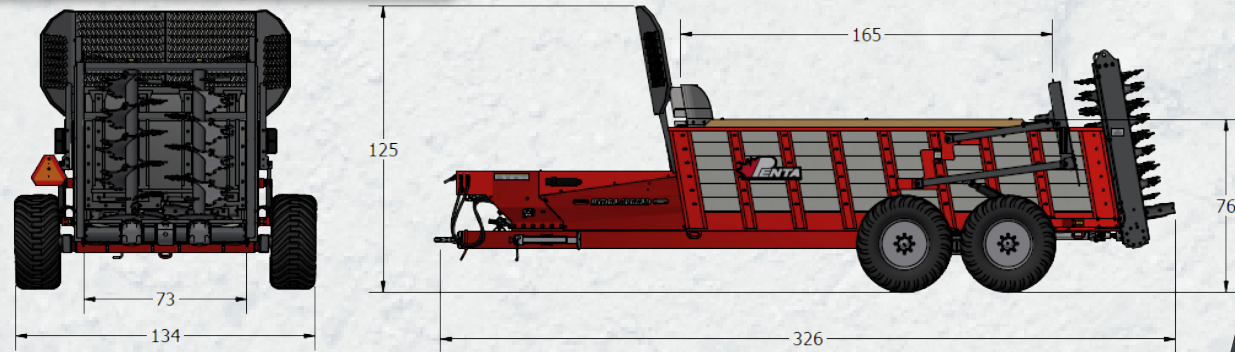
TONGUE SIDE COVERS TO KEEP FLOW VALVE FROM THE ELEMENTS

3-PIECE DRIVELINE WITH REMOVABLE DRIVESHAFT FLANGE

WEIGHT-DISTRIBUTING FLOTATION TIRES

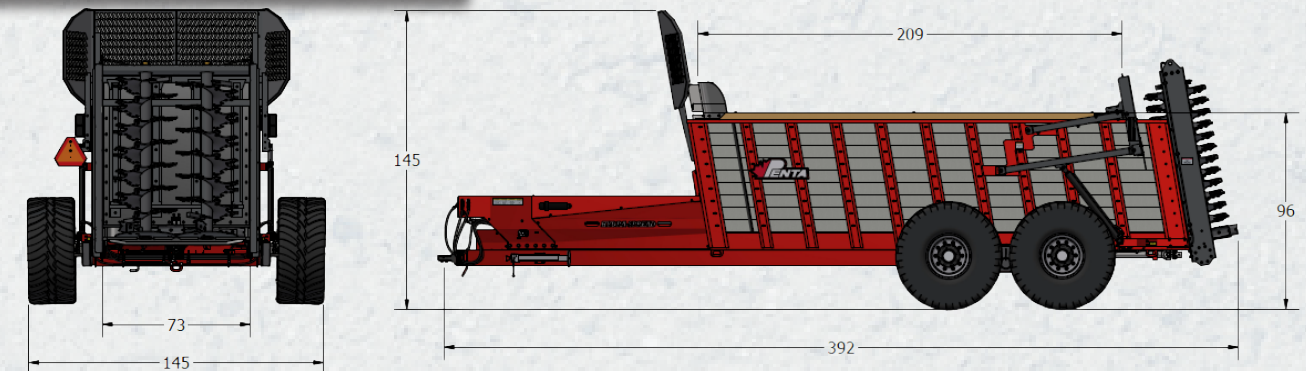
V350

SPECIFICATIONS	IMPERIAL	METRIC
CARRY CAPACITY	24,000 lbs	10,500 kg
STRUCK VOLUME	268 ft ³	7.6 m ³
HEAPED VOLUME	375 ft ³	10.6 m ³
PTO INPUT SPEED (RPM)	1000	
MIN HORSEPOWER	100 HP	
EMPTY WEIGHT	12,750 lbs	5,785 kg



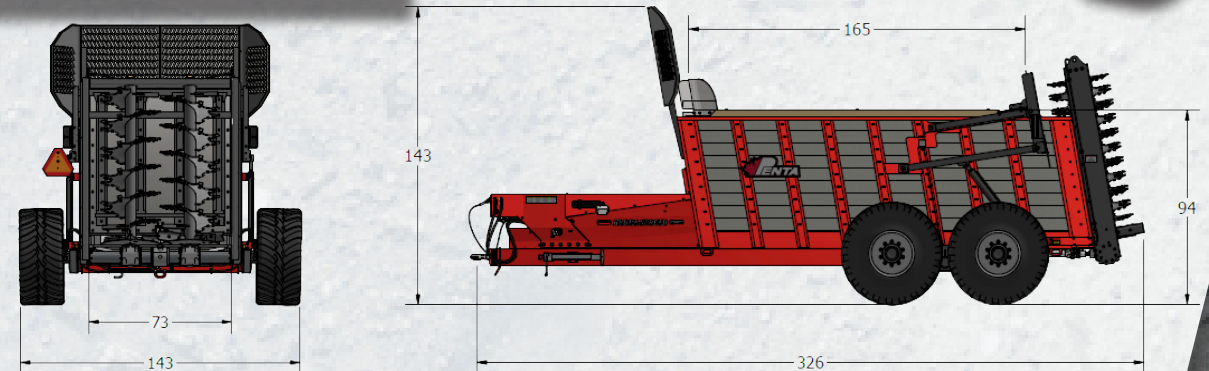
V600

SPECIFICATIONS	IMPERIAL	METRIC
CARRY CAPACITY	48,000 lbs	21,775 kg
STRUCK VOLUME	497 ft ³	14 m ³
HEAPED VOLUME	610 ft ³	17.3 m ³
PTO INPUT SPEED (RPM)	1000	
MIN HORSEPOWER	200 HP	
EMPTY WEIGHT	17,000 lbs	7,710 kg



V475

SPECIFICATIONS	IMPERIAL	METRIC
CARRY CAPACITY	36,000 lbs	10,900 kg
STRUCK VOLUME	390 ft ³	11 m ³
HEAPED VOLUME	478 ft ³	13.5 m ³
PTO INPUT SPEED (RPM)	1000	
MIN HORSEPOWER	150 HP	
EMPTY WEIGHT	14,500 lbs	6,577 kg





PRODUCTIVE • INNOVATIVE • PROUD



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