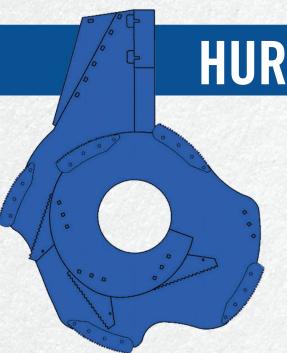


FEED BEITER.







HURRICANE AUGER

AUGER SHAPE

The largest challenge facing a TMR mixer is the ability to process forages with a variety of supplements such as salts and fine minerals. This process can prove to be time consuming and costly. Our patented Hurricane auger has been designed to produce better mixes by allowing forages to circulate faster through the mix, resulting in quicker processing and mixing times.

Penta Hurricane augers are equipped with patented cut outs that allow material to drop through the auger. The falling action compliments the regular motion of the ingredients being rotated throughout the tub. This combination of mixing actions has a proven effective in producing more consistent mix.



CONVEYOR SYSTEMS

Optional conveyors are configured to match the needs of your individual operations with a choice of either a Flip-Up or Dual configuration. For long life and dependable, each system is equipped with C188 chain, the heaviest cast chain in the industry. This chain is driven using a very powerful North American made hydraulic motor.

Flip-up conveyors are configured for either left or right hand delivery, allowing you to reach up and out to get the feed into bunks. Our Dual conveyor allows you the freedom of left or right delivery. Standard on our conveyors is a stainless steel pan which is also available in full stainless steel. We offer many available options to customize these conveyor systems to feed into a variety of bulks and feed alleys.

EYE OF THE STORM

One look at our Hurricane augers and you will see their strength and power. Critical to our auger design is durability. With high-intensity forces encountered in the initial stages of cutting the metal blades of the auger are subjected to severe pressure as the turning motion begins and the feed ingredients are pushed upwards. From the 3/4" steel that is cold pressed into shape for our flighting to the massive 3/8" thick tube the flighting is expertly welded to. You can tell this auger is rugged and reliable.

Developed over years of testing and design, you can clearly see this is our best auger yet.

The angle and diameter of the flighting are designed to work with the tub for the best mixing and processing of your ration. The pyramid shape of the Hurricane auger reduces pressure on the system's moving parts, dispersing the forces through the body of the auger and prolonging the life of the blades. Our unique design ensures maximum blade contact with fibrous raw materials to make the cutting process rapid and complete. The high-wear stainless steel lead edge on the sweep has virtually no gap between the floor, dramatically reducing horsepower and providing excellent clean out. The bolt-on stainless steel plow blade keeps material from building up on the sides and turns material for even more mixing action. Penta continues to offer an alternative Auger for the processed feed. The Tornado auger is still one of the best in the industry that mixes processed feed consistently. The results in the shaker tests show a great mix without over processing feed to increase productivity.





KNIFE OPTIONS

Penta Augers are equipped with 3 different styles of deep serrated, heat-treated, tungsten carbide knives. Different knife styles and mounting options give you the flexibility to process any type of feed (hay, haylage, silage, straw, by products, corn, and soybean stalks), making Penta mixers the best option for all operations, delivering results no matter what your nutritional needs.











PLANETARY DRIVES

Our drives will process any type of feed, from hay to silage to corn and soybean stalks. Your PTO power is transferred to the drives through a two speed gear box for optimal mixing and a faster, more complete clean out. Our single auger mixers use the comer planetary gear box to drive the auger, backed by our standard 3 year warranty. Our Twin and Triple auger mixers use our heavy duty planetary gear box designed and built to our specifications and backed by a 5 Year Warranty.

The North American engineered gear box is able to be used in all the mixer model except on the 3030. This box give flexibility in being able to run 1000rpm or 540rpm. The key is to reduce the heat buildup in the mixing process. The 2 part design allows heat dissipate in the lower t box before transferring to the planetary.



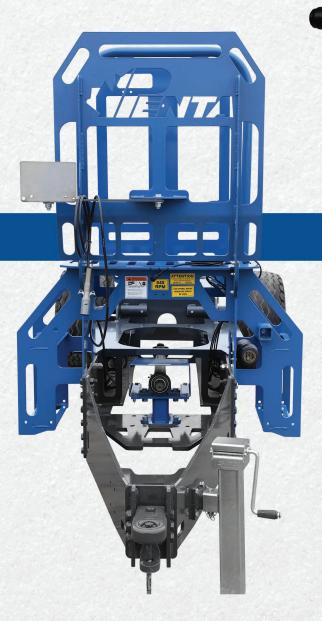
OIL RESERVOIRS

Our high-visibility oil reservoirs are located as close as possible to the gearboxes for the best performance, ease of use, and maintenance. The high quality reservoirs are crystal clear for the easiest visual checks on oil level. On our multi-auger mixers, the reservoirs are nestled between the augers for even greater visibility and protection. We use only full synthetic oil that will not break down during temperature fluctuations.

DRIVELINE

Our PTO shafts deliver power to the mixers through all splined connections. This is the most efficient and reliable way to transfer power from your tractor to the mixer. Providing protection to our shafts are standard shear bolts and optional cam style torque limiter clutches. The shear bolts provide simple, straightforward protection for your equipment, while the torque limiter delivers peace of mind and automatic resetting with no wear parts.

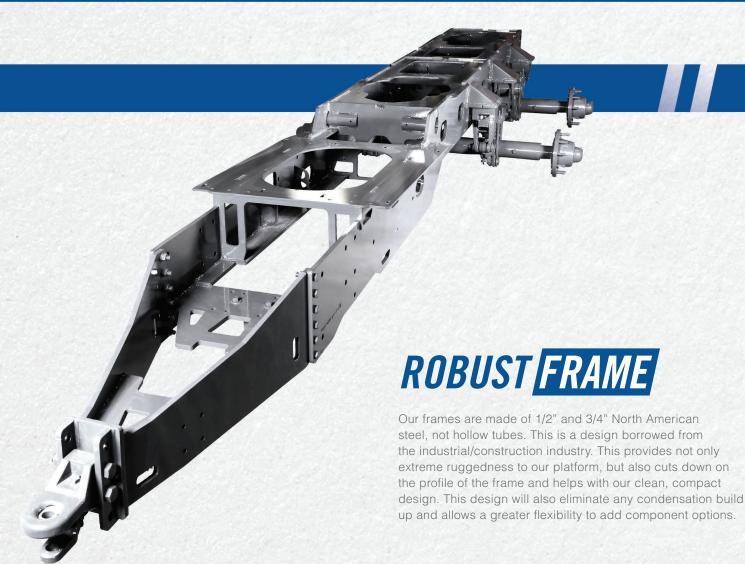




OVER PASS

Designed to give you a platform to monitor and evaluate the progress of your mix, our viewing platform provides much more. With access from the left and right of the mixer, not only is it easier to get where you need to be, but you also have a safe passage from one side of the machine to the other without going all the way around. Built in to the design are hand holds and mounts for oil reservoir on single auger and scale mounts.



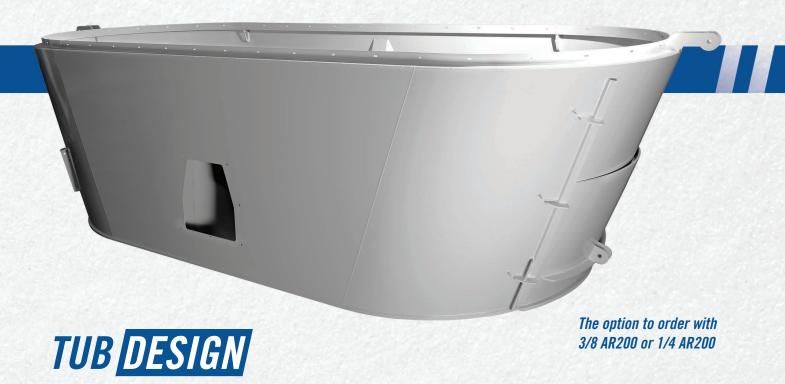




SUSPENSION

Our 600 cuft and up models come with an off road suspension, reducing wear and tear on the tractor and mixer.

We use only high quality, non-imported bearings in our axles. There are different configurations that can incorporate brakes and steering options.



Our tub is where all the pieces come together to process the perfect mix. The floor of the tub is subjected to high abrasion and heavy impacts. To make sure our mixers endure the long hours and extreme use, we construct the floor out of a solid piece of 3/4" high wear acid resistant steel. The angle and curve of the tub and baffles are designed to work with our Hurricane augers for the best mix and clean out. The tub ends are roll formed for a smooth, consistent curve that resists material build up and is incredibly strong. The ends are then robot welded for a consistent high strength bond to the sides. All the tubs can be ordered with a stainless steel liner that will provide on average, 2 times the life expectancy to mixers that operate in very wet feed conditions. Liners are installed 30" high to ensure maximum protection.



MASSIVE DOORS

For the most efficient unloading and complete clean out, our front and rear material doors are very wide on all models.



ACCESSORIES

Additional accessories are available for our TMR tubs, frames, drivelines, conveyors, and scales. There are multiple configurations and options available for each accessory. Please go to our website for further details at www.pentaequipment.com or contact your local Sales Representative.



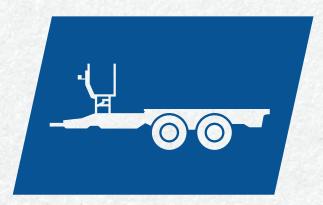


- Extensions
- Extra Feed Door
- Splitter Valve
- Stainless Steel Tub Liners

Driveline Protector

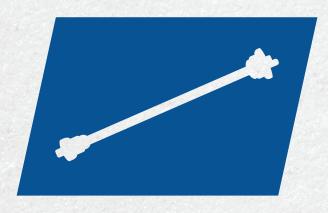
• Torque Limiter

- Extra Commodity Doors
- Camera



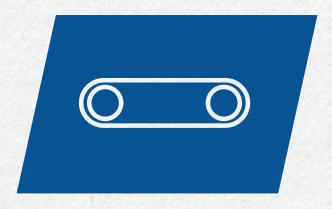


- Lights
- Walking Beam
- Hydraulic Jack
- Brakes
- Hitches
- All Radial Tires
 (Flotation/Highway/Lugger)
- Axel (single/double)
- Certified Safety Chains



DRIVELINE

- CVPTO
- 2-Speed Gearbox
- 2-Speed On-The-Go Shifter Auto Greaser
- 2-Speed Cable Shifter



CONVEYOR

- Manual and Hydraulic
- Mudflap/Tray/Chute
- Magnets
- Feed Control Rubber Flaps
- Conveyor Wiper
- Stainless Steel Upgrade

I FARM TO FIELD TO FARM TO FIELD TO FARM TO FIELD TO FARM TO ACCESSORIES

SCALES





Simple, Durable, and Easy-to-Use

Provides basic weighing system functionality

- Preset Weight function provides improved accuracy and management of loading and unloading
- Internal "alarm light and horn" alert operator of approaching target preset weights
- Rotation Counter/Timer, a Digi-Star exclusive, significantly aids in controlling mix time and processing
- Machine Hour Meter records total operating time and Maintenance Message for service reminder functions (when used with Rotation Counter)



CAB CONTROL

Wireless Remote Display & Control System

- Wireless communication and operation of all indicator functions on the feed mixer
- View of weight and information not affected by rain, snow, dirt or darkness
- No Need to leave the loader cab during loading
- Available Ranges of 300', 1000', and 2000'
- Communicate with up to 24 different mixers



Feed Management Indicator

Advanced full management capability and USB or RF DataLink™ bi-directional data transfer.

- Program rations at your PC or from the front panel of your indicator
- Compatible with TMR Tracker® Feed Management Software and third-party bunk read programs
- Make "pen call weights" and "head count" changes at the indicator
- Keeps up-to-date feed changes or reuse data from day-to-day





Cab Control Functionality on a Smartphone or Tablet

- Easily view and control scale indicator display remotely from Android and iOS phone or tablet
- Provides same functionality as Digi-Star's other Cab Control systems: Net/Gross, Tare, Zero, Advance Ingredient, and Select Mixer
- Available free-of-charge from Play Store or iSTORE with purchase of Digi-Star ERM-WiFi

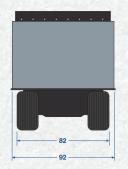


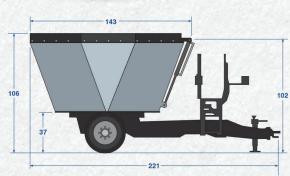
SINGLE AUGER

Specifications	Imperial	Metric
Capacity 9" Rubber	355 cu ft	10 m3
Minimum Horsepower	50 HP	-
Total Width	92 in	234 cm
Total Length	222 in	564 cm
Height to top of extension	107 in	272 cm
Height to top of steel	102 in	259 cm
Empty Weight	7,910 lbs	3,587 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	25 in	64 cm
With chute	20 in	51 cm





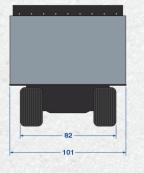


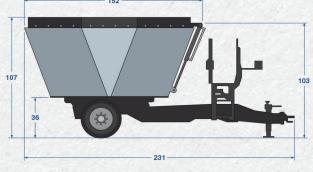


Specifications	Imperial	Metric
Capacity 9" Rubber	425 cu ft	12 m³
Minimum Horsepower	75 HP	-
Total Width	101 in	257 cm
Total Length	231 in	587 cm
Height to top of extension	107 in	272 cm
Height to top of steel	103 in	262 cm
Empty Weight	9,922 lbs	4,501 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	26 in	66 cm
With chute	21 in	53 cm

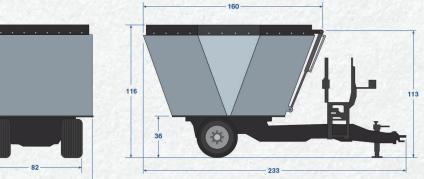






SINGLE AUGER



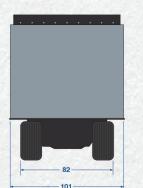


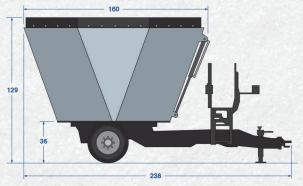
5030

Specifications	Imperial	Metric
Capacity 9" Rubber	505 cu ft	14 m³
Minimum Horsepower	85 HP	_
Total Width	101 in	257 cm
Total Length	233 in	592 cm
Height to top of extension	116 in	300 cm
Height to top of steel	113 in	287 cm
Empty Weight	10,922 lbs	4,954 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	26 in	66 cm
With chute	21 in	53 cm







Specifications	Imperial	Metric
Capacity 9" Rubber	605 cu ft	17 m³
Minimum Horsepower	110 HP	-
Total Width	101 in	257 cm
Total Length	230 in	605 cm
Height to top of extension	129 in	328 cm
Height to top of steel	123 in	312 cm
Empty Weight	11,176 lbs	5,069 kg

	Corner Door Unloading Height	Imperial	Metric
ı	Without chute	26 in	66 cm
١	With chute	21 in	53 cm



DOUBLE AUGER

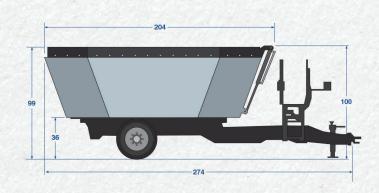
4430

Specifications	Imperial	Metric
Capacity 9" Rubber	440 cu ft	12 m³
Minimum Horsepower	85 HP	-
Total Width	78 in	198 cm
Total Length	274 in	696 cm
Height to top of extension	99 in	251 cm
Height to top of steel	100 in	254 cm
Empty Weight	13,467 lbs	6,108 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	26 in	66 cm
With chute	21 in	53 cm

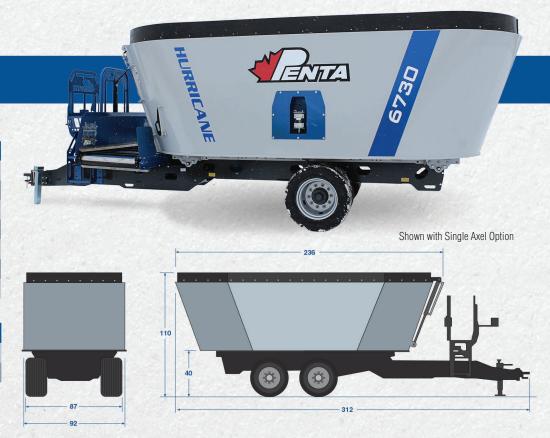






Specifications	Imperial	Metric
Capacity 9" Rubber	630 cu ft	18 m³
Minimum Horsepower	125 HP	-
Total Width	92 in	198 cm
Total Length	312 in	696 cm
Height to top of extension	110 in	251 cm
Height to top of steel	106 in	269 cm
Empty Weight	15,334 lbs	6,955 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	30 in	76 cm
With chute	25 in	64 cm

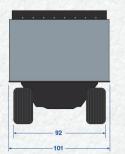


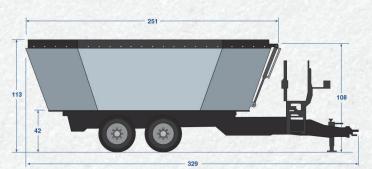
DOUBLE AUGER





Capacity 9" Rubber 820 cu ft 23 m ³
Minimum Horsepower 140 HP -
Total Width 101 in 257 cm
Total Length 329 in 836 cm
Height to top of extension 113 in 287 cm
Height to top of steel 108 in 274 cm
Empty Weight 22,250 lbs 10,092 kg





Corner Door Unloading Height	Imperial	Metric
Without chute	31 in	79 cm
With chute	26 in	66 cm



Specifications	Imperial	Metric
Capacity 9" Rubber	965 cu ft	27 m³
Minimum Horsepower	180 HP	_
Total Width	101 in	257 cm
Total Length	333 in	846 cm
Height to top of extension	123 in	312 cm
Height to top of steel	180 in	300 cm
Empty Weight	23,547 lbs	10,680 kg

123	118	Corner Door Unloading Height	Imperial	Metric
	5	Without chute	31 in	79 cm
42		With chute	26 in	66 cm



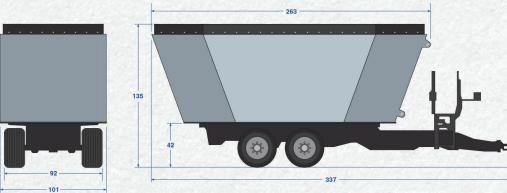
DOUBLE AUGER

1130

Specifications	Imperial	Metric
Capacity 9" Rubber	1130 cu ft	32 m³
Minimum Horsepower	200 HP	-
Total Width	101 in	257 cm
Total Length	337 in	856 cm
Height to top of extension	135 in	343 cm
Height to top of steel	129 in	328 cm
Empty Weight	24,596 lbs	11,157 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	31 in	79 cm
With chute	26 in	66 cm





Specifications	Imperial	Metric
Capacity 9" Rubber	1335 cu ft	38 m³
Minimum Horsepower	225 HP	-
Total Width	101 in	257 cm
Total Length	345 in	856 cm
Height to top of extension	144 in	343 cm
Height to top of steel	140 in	356 cm
Empty Weight	26,345 lbs	11,949 kg

Corner Door Unloading Height	Imperial	Metric
Without chute	31 in	79 cm
With chute	26 in	66 cm



TRIPLE AUGER

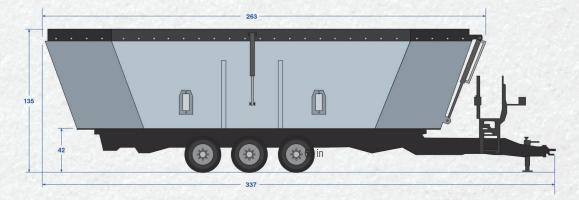


Specifications	Imperial	Metric
Capacity 9" Rubber	965 cu ft	27 m³
Minimum Horsepower	180 HP	-
Total Width	101 in	257 cm
Total Length	333 in	846 cm
Height to top of extension	123 in	312 cm
Height to top of steel	180 in	300 cm
Empty Weight	-	-

Corner Door Unloading Height	Imperial	Metric	
Without chute	31 in	79 cm	
With chute	26 in	66 cm	







Model	Dual	Fixed Incline	2'	3'	4'	5'	6'	7'
3030	28 in	36 in	41 in	49 in	54 in	60 in	65 in	70 in
4130	28 in	36 in	41 in	49 in	54 in	60 in	65 in	70 in
5030	28 in	36 in	41 in	49 in	54 in	60 in	65 in	70 in
5930	28 in	36 in	41 in	49 in	54 in	60 in	65 in	70 in
4430	28 in	36 in	41 in	49 in	54 in	60 in	65 in	70 in
6730	33 in	41 in	46 in	54 in	59 in	65 in	70 in	75 in
8030	34 in	42 in	47 in	55 in	60 in	66 in	71 in	76 in
9630	34 in	42 in	47 in	55 in	60 in	66 in	71 in	76 in
1130	34 in	42 in	47 in	55 in	60 in	66 in	71 in	76 in
1330	34 in	42 in	47 in	55 in	60 in	66 in	71 in	76 in
1630	33 in	41 in	46 in	54 in	59 in	65 in	70 in	75 in



STATIONARY MIXERS

Penta Stationary Vertical Mixers are compact and convenient machines with a high capacity and low power consumption. Stationary Mixers offer the possibility to use more economical feed boxes with less horse power to distribute the feed. The mixers run at a reduced constant RPM as opposed to mobile mixers, and full clean out can be arranged through a variable drive and gearbox. All mixers are built on a subframe and supports can be ordered to put the machine at the desired height. The machine is operated by a frequency changer which makes sure that the machine starts slowly and without any increase in power. The frequency changer also enables acceleration as required. Contact Penta for door location and HP requirements.

Model Descriptions	2020 VS	3020 VS	4420 VS	6020 VS
Capacity (Top of Steel)	212 cu ft	296 cu ft	394 cu ft	600 cu ft
Height (Top of Steel)	73"	80"	73"	83"
Width	102"	90"	86"	90"
OA Length	110"	120"	194"	194"
Auger Thickness (Optional 3/4")	1/2"	1/2"	1/2"	1/2"
Floor Thickness	1/2"	1/2"	1/2"	1/2"
2-Speed Gearbox	Std.	Std.	Std.	Std.
Max lbs of Feed in Mixer	4240 lbs	5920 lbs	8000 lbs	9000 lbs
Magnets	Opt.	Opt.	Opt.	Opt.
Sidewalls	3/16"	3/16"	3/16"	3/16"
Weight Empty	N/A	N/A	N/A	N/A
Movable Door	Υ	N	N	N
300° Door Placement	Υ	N	N	N
Manual Hydraulic Door Opener	Υ	N	N	N
Variable Frequency Drive 1-60 rpm Auger	10 HP	2 x 10 HP	2 x 15 HP	2 x 20 HP
Hydraulic Power Pack	Υ	Υ	Υ	Υ
2-Speed Shifter	Υ	Υ	Υ	Υ
Auger Flight 1/2" Upgrade	Opt.	Opt.	Opt.	Opt.
Hurricane Auger	Opt.	Opt.	Opt.	Opt.



2020-VS Stationary Mixer



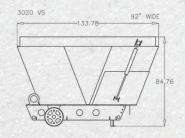
3020-VS Stationary Mixer

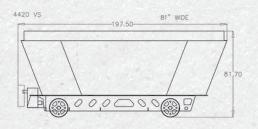


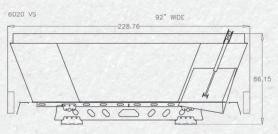
4420-VS Stationary Mixer



6020-VS Stationary Mixer









Master-Slave Drive



One Motor Per Auger



Remote Box



Door Control



Single Drive



Belt Drives



Hydraulic Oil



TRUCK MOUNT MIXERS

Penta Truck Mount Mixers are specially designed to suit the needs of larger operations, or applications where rough terrain and/or longer distances are encountered. All Penta Truck Mount models are 100% hydrostatically driven. There are no gearbox, sprockets, belts, chains or bearings in the driveline to wear out and require replacement. Fewer moving parts translates into fewer breakdowns and less maintenance overall. It means that operators will have faster than average mixing times, and the capacity to process different forage components and micro ingredients with a maximum efficiency.



3020-SD Truck Mounted Mixer



6020-SD Truck Mounted Mixer



8020-SD Truck Mounted Mixer



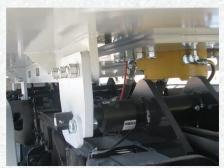
5620-SD Truck Mounted Mixer



6720-HD Truck Mounted Mixer



1120-HD Truck Mounted Mixer







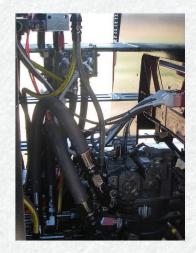
Outside Hoses







Digi-Star Scales



Two Hydrostatic Sauer Pumps



"Tornado" and "Hurricane" Augers





Back Left Corner Door/Front Right Corner Door





Oil Tank





FROM FIELD TO FARM

The Penta line of Dump Trailers are designed to get your crop from the field to your farm. Ranging in size from 1050 cubic feet to 2475 cubic feet there is one ready for you. Farmer focused features like better visibility in the box and the unique reverse tilt for better filling, all built as tough as you.

FARM FEEDING

The best quality feed needs the best quality mix. Penta TMR mixers are designed, tested and farm proven to deliver the best mix on the market. Our Hurricane auger allows forage to circulate faster through the mix for quicker processing and mixing times.

FROM FARM TO FIELD

The Penta (Hagedorn) line of manure spreaders allows you to make the best use of your organic nutrient resources.

The Hagedorn processes the manure finer and delivers the best spread pattern.

This lets your field make the best use of this rich resource.