

# VERTICAL TMR MIXERS

THE MOST TRUSTED MIXER

*THE MOST VALUED MIX*





# Designed for the **PROFESSIONAL PRODUCER**

## RELIABILITY, VERSATILITY, TECHNOLOGY

Patz Vertical Mixers offer mixing capacities from 140-1,270 cu. ft. (11.8-36 m<sup>3</sup>) including single, twin, or triple screw options. The wide selection of sizes, styles, and discharge options make Patz mixers adaptable to every feeding program.



### SINCE 1948

For over 70 years, Patz Corporation has been keeping up with changing demands of the Agricultural industry.

We emphasize products that save labor, feed, and fuel by intelligently designed machinery.



### IN-HOUSE ENGINEERING

Our experienced Engineering team ensures every machine, part, and option is built-to-print for optimal performance. Over 50 material handling patents show safety and quality are the cornerstone of the Patz brand.



### SERVICE & SUPPORT

Every Patz machine has a written 1-year Manufacturing Warranty and 5-year prorated Power Transmission Warranty, a dedicated Technical Support team, and local dealerships. Always have access to information with Published Operator's and Parts manuals.





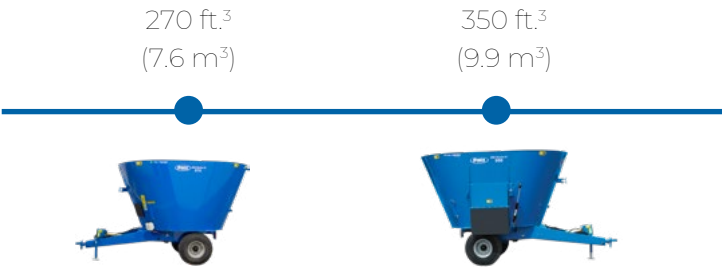
Vertical TMR Trailer Mounted Mixers

# TRAILER SINGLE SCREWS



## 800 SERIES SINGLE SCREW

270 to 400 ft.<sup>3</sup> (7.6 to 11.3 m<sup>3</sup>) mixing capacities



## 1000 SERIES SINGLE SCREW

420 to 490 ft.<sup>3</sup> (11.6 to 14 m<sup>3</sup>) mixing capacities



## 1200 SERIES SINGLE SCREW

420 to 690 ft.<sup>3</sup> (11.6 to 20 m<sup>3</sup>) mixing capacities

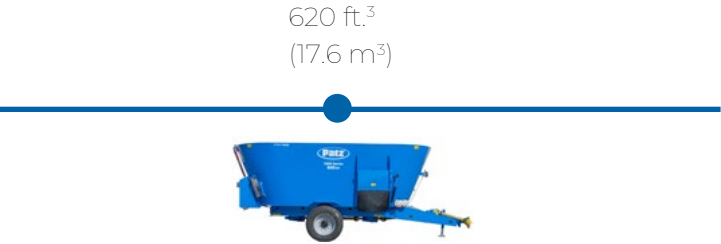


Vertical TMR Trailer Mounted Mixers

# TRAILER MULTI SCREWS

## 1600 SERIES I TWIN SCREW

620 to 720 ft.<sup>3</sup> (17.6 to 20.4 m<sup>3</sup>) mixing capacities



## 1600 SERIES II TWIN SCREW

620 to 720 ft.<sup>3</sup> (17.6 to 20.4 m<sup>3</sup>) mixing capacities



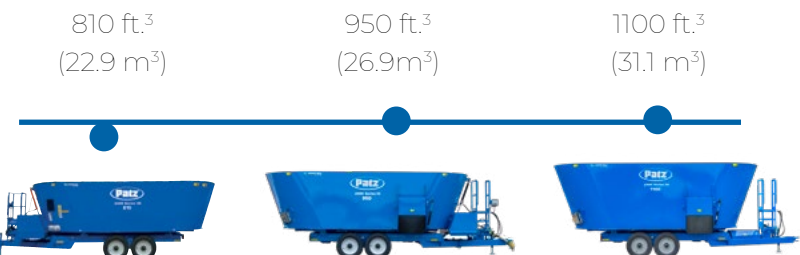
## 2400 SERIES II TWIN SCREW

650 to 860 ft.<sup>3</sup> (18.4 to 24.4 m<sup>3</sup>) mixing capacities



## 2400 SERIES III TWIN SCREW

810 to 1270 ft.<sup>3</sup> (22.9 to 36 m<sup>3</sup>) mixing capacities





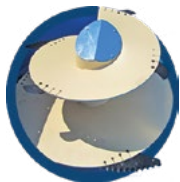
# Vertical TMR Trailer Mounted Mixers

## BALANCED FLOW™ TECHNOLOGY

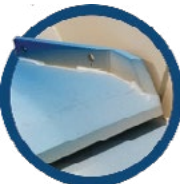


### PROVEN, PATENTED PRODUCTIVITY

Patz exclusive design engineering balances horizontal processing and vertical mixing. The continuous, controlled motion ensures a thorough and consistent mix with superior clean-out.



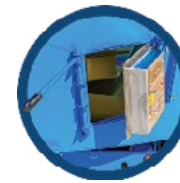
1. Precision-fitted, AR400- Component Vortex® or Tru Taper™ screw creates the Patz signature *rolling-boil* for faster mixing and high-volume feed flow.



2. Welded, AR400 *shear plow wing* tight tolerance cleans the tub sidewall for maximum mixing action and cleanout with minimal torque.



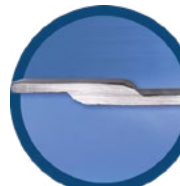
3. Contoured patented baffles balance horizontal processing and vertical mixing action in twin and triple screw vertical mixers.



4. The original, stainless steel tub-mounted magnet with patented, reticulum retention design removes tramp metal without restricting feed flow. Feed safer and inspect frequently with quick-opening access.



5. Reversible restrictor plates are located on front left and right rear of tub. Adjust in or out to control forage flow and particle size.



6. Surface-primed, overlapping steel tub-ends and sidewalls with reinforced exterior anchor and interior seam welds; sand-blasted and primer finish with high-gloss hardened, premium paint.



# Vertical TMR Trailer Mounted Mixers

## FEED THE POTENTIAL™

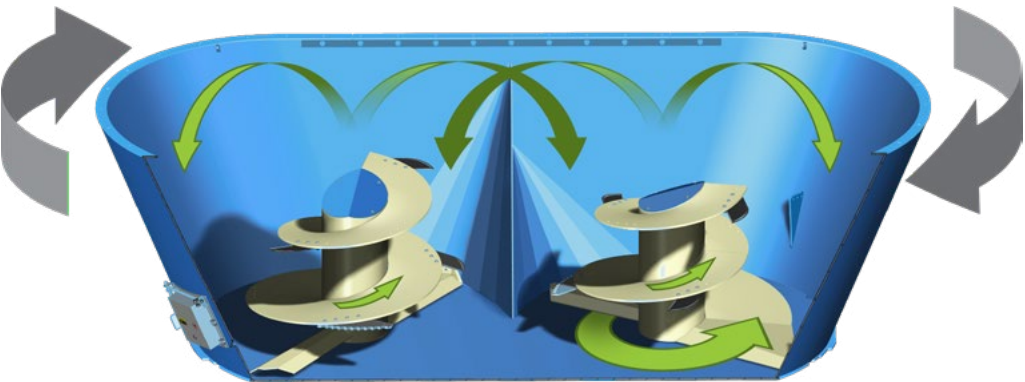
### THE PROFESSIONAL PRODUCER'S CHOICE IN TMR

Feed is 65% of operating costs, make every ingredient count with a consistent TMR from start to finish.

- Feed a wider variety of ingredients.
- Maximize dietary fiber with large squares & wet or dry standard and high-density round bales.
- Batch size flexibility for special needs or pre- and post-fresh groups.



### UNLEASH THE TOTAL MIX POTENTIAL OF YOUR FEED, YOUR HERD, AND YOUR MANAGEMENT WITH PATZ VERTICAL MIXERS!



Gray arrows indicate direction of screw rotation.  
Green arrows indicate Balanced Flow™ of feed

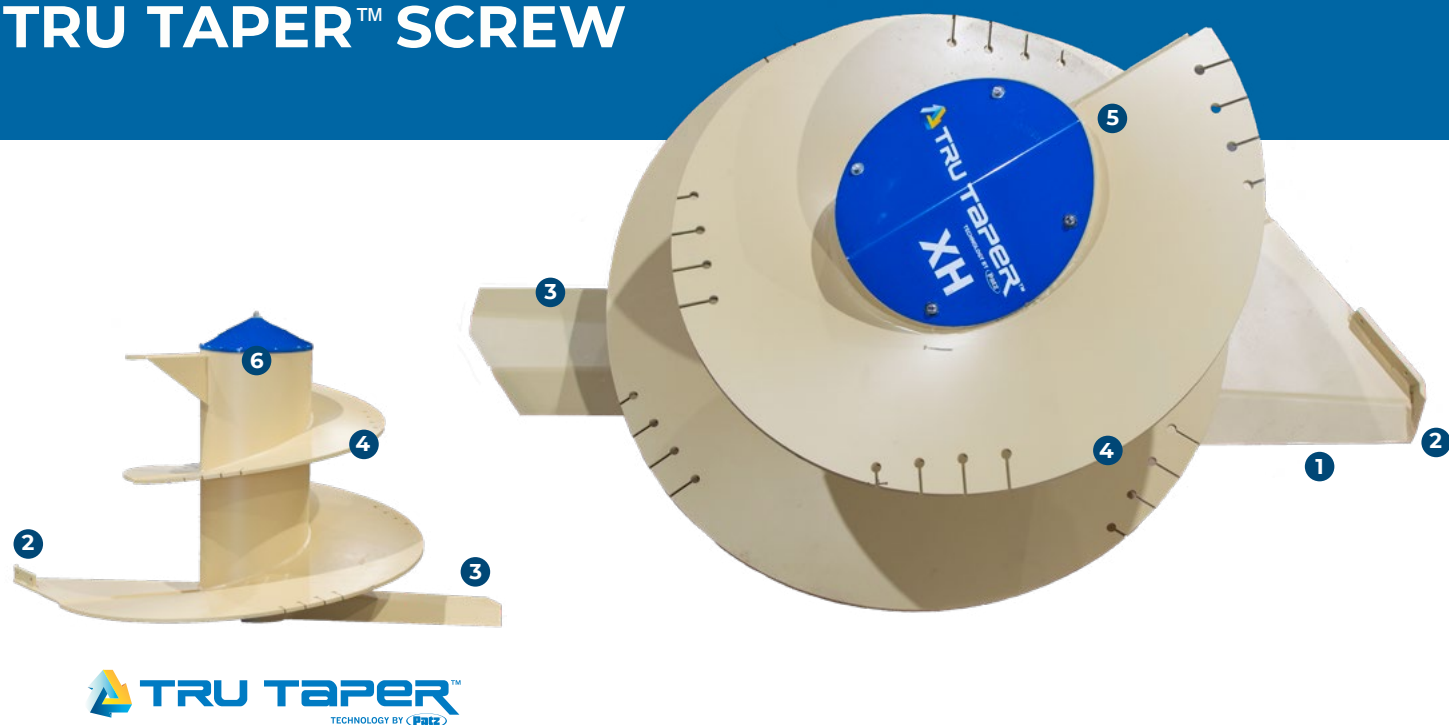


- Highest rated consistency throughout service life in the industry in independent TMR audits!
- Minimize sorting and reduce refusals with a palatable, well-blended TMR.
- Increase dry matter intake (DMI) with uniform theoretical length of cut (TLC).
- Improve TDN utilization by preserving physically effective fiber (peNDF) integrity.
- Ensure precision feeding program accuracy with Patz superior cleanout!



# Vertical TMR Trailer Mounted Mixers

## TRU TAPER™ SCREW



A healthy cow begins with a consistently balanced diet. A nutritious TMR requires feeding technology engineered to mix. Vertical screw flighting diameter and shape determines mixing capacity. Patz vertical mixer screws offer the largest feed flow displacement in the industry to maintain a rolling boil and utilize mixing capacity at sidewall struck height.

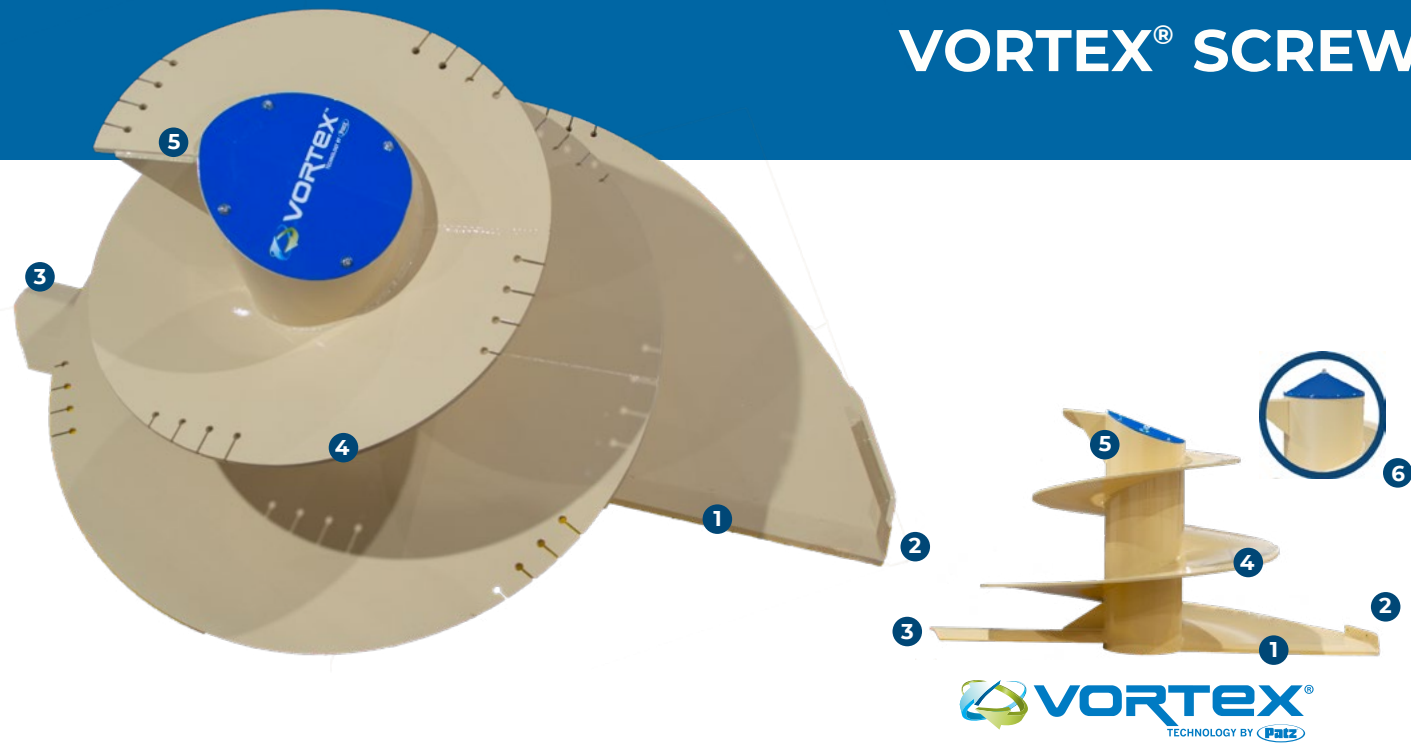
Patz standard Tru Taper™ is specifically engineered for 86-inches or less diameter mixers for standard loader height, easy clean-off, and minimal horsepower.

Availability: 400, 600 , 800, 1600 Series in standard or XH flightings

- 1 AR400 Leading edge and screw deck lifts feed onto the vertical screw and provides superior cleanout during feed out.
- 2 AR400 Welded, shear plow wing cleans the side wall, directing feed onto the screw deck. Precision-fitted plow wing is critical for sidewall mixing action and flow.
- 3 AR400 Following kicker provides even feed flow on side discharge and faster cleanout (Standard).
- 4 Tru Taper™ standard flighting creates the largest sidewall mixing cavity in its horsepower (HP) class in the industry for a more consistent, faster mix.
- 5 Multi-Angle Top (MAT) directs large round bales into the mix.
- 6 Cone Top for high-concentrate and silage rations.

# Vertical TMR Trailer Mounted Mixers

## VORTEX® SCREW



From top-performers to transition, professional herds demand high capacity precision. Don't sacrifice TMR quality with pen size and feeding efficiency, feed any sized group accurately with Patz VORTEX® technology. Mixing capacity consistency increases with width, decreases with height—wider is better! As the herd gets bigger, genetics greater, and rations denser—feed larger!

Patz innovative VORTEX® is patented engineering for 96 to 108 inch diameter mixers, designed with exclusive cupped flighting for high performance rations.

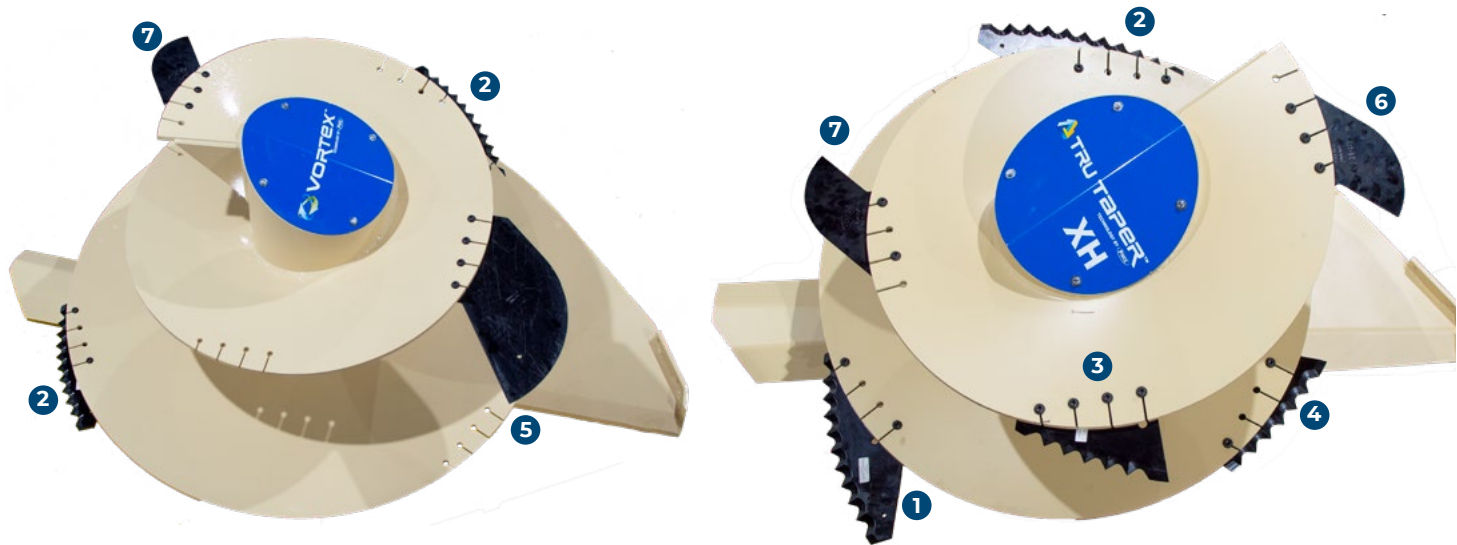
Availability: 1000, 1200, 2400, 3600 Series in standard or XH flightings

- 1 AR400 Leading edge and screw deck lifts feed onto the vertical screw and provides superior cleanout during feed out.
- 2 AR400 Welded, shear plow wing cleans the side wall, directing feed onto the screw deck. Precision-fitted plow wing is critical for sidewall mixing action and flow.
- 3 AR400 Following kicker provides even feed flow on side discharge and faster cleanout (Optional).
- 4 VORTEX® high volume cupped flighting creates the largest sidewall mixing cavity and the longest flighting edge surface life in the industry for a more consistent, faster mix.
- 5 Multi-Angle Top (MAT) directs large round bales into the mix.
- 6 Cone Top for high-concentrate and silage rations.





Vertical TMR Trailer Mounted Mixers

# VERTICAL MIXER KNIFE OPTIONS



TUNGSTEN CARBIDE COATED SERRATED KNIVES



**1** 21 ½ Vertical Mixer Knife – Aggressive

- Cuts into densely baled fiber in the middle tub.

**2** 21 ½ Vertical Mixer Knife – Recessed





- Processes separated, long fiber in the lower tub.

**3** 12 Inch Vertical Mixer Knife – Aggressive

- Processes densely-based baled fiber in middle tub.

**4** 12 Inch Vertical Mixer Knife – Recessed

- Processes separated, long fiber in the lower tub.



AR400 PATENTED RAPTOR® ROUND BALE KNIFE

Hooked forward design grabs round bales, counter-rotating bales against the side wall, unrolling bales, and pulling long fiber into the mix for processing.







## 800 SERIES II TRAILER SINGLE SCREW



800 Series II Trailer Single Screw

270 ft<sup>3</sup> (7.6 m<sup>3</sup>)



800 Series II Tru Taper™		U/M	270 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³		315 (9)
Weight	lbs (kg)		5,370 (2435.8)
Max Load @ 25#/Ft.³	lbs (kg)		6,750 (3062)
Max Gross Weight	lbs (kg)		12,120 (5,498)
Floor Thickness	in (mm)		1/2 (13)
Sidewall Thickness	in (mm)		1/4 (6)
Door Opening Height x Width (Rear)	in (mm)		30 (792) x 39 (991)
Door Opening Height x Width (Side - 2 Locations)	in (mm)		39 (991) x 34 (864)
Viewing Platform			--
Screw Flighting Thickness	in (mm)		1/2 (13)
Screw Height x Diameter	in (mm)		34 (864) x 86 (2184)
Knife Positions			5
Operating Speed	RPM		540
Drive Package			Direct: 6- Spline
Minimum PTO HP (Continuous Run)	HP		55
Trailer Type			Unibody
Scale System			3-Point
Tires			(2) 320/70 R 15 Tubeless (Rib or Turf)
OPTIONS			
Vertical Mixer Screw		Hay Retainer	
- Multi-Angle or Cone Top		Discharge Chute w/ or w/o Magnet	
- Knives		Discharge Conveyor	
Side Extensions		Tub Mounted Magnet	
- Rubber			
		Selection of Indicators	
		- Digi-Star®,	
		- dinamica generale®	
		- Weigh-Tronix®	
		Camera Package	
		Ladder (Rear Location)	
		Planetary Cooling System	
		Hydraulic Control Center	

800 Series II Trailer Single Screw

350 ft<sup>3</sup> (9.9 m<sup>3</sup>)



800 Series II Tru Taper™		U/M	350 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³		400 (11)
Weight	lbs (kg)		5,750 (2608)
Max Load @ 25#/Ft.³	lbs (kg)		8,750 (3969)
Max Gross Weight	lbs (kg)		14,500 (6577)
Floor Thickness	in (mm)		1/2 (13)
Sidewall Thickness	in (mm)		1/4 (6)
Door Opening Height x Width (Rear)	in (mm)		30 (792) x 39 (991)
Door Opening Height x Width (Side - 2 Locations)	in (mm)		39 (991) x 34 (864)
Viewing Platform			--
Screw Flighting Thickness	in (mm)		1/2 (13)
Screw Height x Diameter	in (mm)		44 (1118) x 86 (2184)
Knife Positions			7
Operating Speed	RPM		540
Drive Package			Direct: 6- Spline
Minimum PTO HP (Continuous Run)	HP		65
Trailer Type			Unibody
Scale System			3-Point
Tires			(2) 320/70 R 15 Tubeless (Rib or Turf)
OPTIONS			
Vertical Mixer Screw		Hay Retainer	
- Multi-Angle or Cone Top		Discharge Chute w/ or w/o Magnet	
- Knives		Discharge Conveyor	
Side Extensions		Tub Mounted Magnet	
- Rubber			
		Selection of Indicators	
		- Digi-Star®,	
		- dinamica generale®	
		- Weigh-Tronix®	
		Camera Package	
		Ladder (Rear Location)	
		Planetary Cooling System	
		Hydraulic Control Center	






1000 SERIES TRAILER SINGLE SCREW

1000 Series Trailer Single Screw  
420 ft<sup>3</sup> (11.8 m<sup>3</sup>)



1000 Series  Vortex®	U/M	420 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	490 (14)
Weight	lbs (kg)	8,133 (3689)
Max Load @ 25#/Ft.³	lbs (kg)	10,500 (4763)
Max Gross Weight	lbs (kg)	18,633 (8452)
Floor Thickness	in (mm)	1/2 (13)
Sidewall Thickness	in (mm)	1/4 (6)
Door Opening Height x Width (Rear)	in (mm)	26 (660) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)
Viewing Platform		Front - Optional
Screw Flighting Thickness	in (mm)	5/8 (16)
Screw Height x Diameter	in (mm)	34 (864) x 108 (2743)
Knife Positions		5
Operating Speed	RPM	540 or 1000
Drive Package		Direct: 6- Spline/21 Spline
Minimum PTO HP (Continuous Run)	HP	85
Trailer Type		Unibody w/ Duals
Scale System		3-Point
Tires		(4) 245/70 R 19.5 Tubeless Truck Tires
<b>OPTIONS</b>		
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li><li>Side Extensions<ul style="list-style-type: none"><li>- Rubber</li></ul></li></ul>	Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul>	Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul>
		Camera Package <ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul>






1200 SERIES TRAILER SINGLE SCREW

1200 Series Trailer Single Screw  
420 and 420 XH ft<sup>3</sup> (11.8 m<sup>3</sup>)




1200 Series  Vortex®		U/M	420 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	490 (14)	
Weight	lbs (kg)	9,500 (4309)	
XH Empty Weight		11,186 (5074)	
Max Load @ 25#/Ft.³	lbs (kg)	10,500 (8452)	
Max Gross Weight	lbs (kg)	20,000 (9072)	
Floor Thickness	in (mm)	¾ (19)	
Sidewall Thickness	in (mm)	¼ (6); XH ¾ (9)	
Door Opening Height x Width (Rear)	in (mm)	26 (660) x 42 (1067)	
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)	
Viewing Platform		Front; Right/Left Access	
Screw Flighting Thickness	in (mm)	5/8 (16); XH ¾ (19)	
Screw Height x Diameter	in (mm)	34 (864) x 108 (2743)	
Knife Positions		5	
Operating Speed	RPM	540 or 1000	
Drive Package		Direct/2-Speed Manual; 6/20/21-Spline	
Minimum PTO HP (Continuous Run)	HP	85	
Trailer Type		Split Dual; Inline	
Scale System		4-Point	
Tires		(4) 245/70 R 19.5 Tubeless Truck Tires	
<b>OPTIONS</b>			
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li></ul>		Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul>	
Side Extensions <ul style="list-style-type: none"><li>- Rubber</li></ul>		Camera Package <ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul>	
Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul>			




1200 Series Trailer Twin Screw  
500 and 500 XH ft<sup>3</sup> (14.2m<sup>3</sup>)



1200 Series  Vortex®	U/M	500 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	575 (16)
Weight	lbs (kg)	9,890 (4486)
XH Empty Weight		11,743 (5327)
Max Load @ 25#/Ft.³	lbs (kg)	12,500 (5670)
Max Gross Weight	lbs (kg)	22,390 (10156)
Floor Thickness	in (mm)	3/4 (19)
Sidewall Thickness	in (mm)	1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)	30 (762) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)
Viewing Platform		Front; Right/Left Access
Screw Flighting Thickness	in (mm)	5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)	44 (1118) x 108 (2743)
Knife Positions		7
Operating Speed	RPM	1000
Drive Package		Direct/2-Speed Manual; 6/20/21-Spline
Minimum PTO HP (Continuous Run)	HP	90
Trailer Type		Split Dual; Inline
Scale System		4-Point
Tires		(4) 245/70 R 19.5 Tubeless Truck Tires
<b>OPTIONS</b>		
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li><li>Side Extensions<ul style="list-style-type: none"><li>- Rubber</li></ul></li></ul>	Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul>	Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul> <div>Camera Package<ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul></div>

1200 Series Trailer Twin Screw  
615 and 615 XH ft<sup>3</sup> (17.4 m<sup>3</sup>)



1200 Series  Vortex®	U/M	615 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	690 (20)
Weight	lbs (kg)	10,475 (4751)
XH Empty Weight		12,373 (5612)
Max Load @ 25#/Ft.³	lbs (kg)	15,375 (6974)
Max Gross Weight	lbs (kg)	25,850 (11725)
Floor Thickness	in (mm)	3/4 (19)
Sidewall Thickness	in (mm)	1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)	30 (762) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)
Viewing Platform		Front; Right/Left Access
Screw Flighting Thickness	in (mm)	5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)	54 (1372) x 108 (2743)
Knife Positions		9
Operating Speed	RPM	1000
Drive Package		Direct/2-Speed Manual; 6/20/21-Spline
Minimum PTO HP (Continuous Run)	HP	110
Trailer Type		Split Dual; Inline
Scale System		4-Point
Tires		(4) 245/70 R 19.5 Tubeless Truck Tires
<b>OPTIONS</b>		
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li><li>Side Extensions<ul style="list-style-type: none"><li>- Rubber</li></ul></li></ul>	Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul>	Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul> <div>Camera Package<ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul></div>





1600 SERIES TRAILER TWIN SCREW

1600 Series I Trailer Twin Screw  
620 and 620 XH ft<sup>3</sup> (17.6 m<sup>3</sup>)



1600 Series I Tru Taper™		U/M	620 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³		720 (20)
Weight	lbs (kg)		11,900 (5398)
XH Empty Weight			13,770 (6249)
Max Load @ 25#/Ft.³	lbs (kg)		15,500 (7031)
Max Gross Weight	lbs (kg)		27,400 (12428)
Floor Thickness	in (mm)		5/8 (16)
Sidewall Thickness	in (mm)		1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)		30 (792) x 39 (991)
Door Opening Height x Width (Side - 2 Locations)	in (mm)		39 (991) x 34 (864)
Viewing Platform			--
Screw Flighting Thickness	in (mm)		5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)		44 (1118) x 96 (2438)
Knife Positions			7
Operating Speed	RPM		1000
Drive Package			Direct/2-Speed Manual; 6/20/21-Spline
Minimum PTO HP (Continuous Run)	HP		80
Trailer Type			Unibody Fixed Axle
Scale System			3-Point
Tires			(2) 445/50 R 22.5 Flotation
OPTIONS			
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li></ul> Side Extensions <ul style="list-style-type: none"><li>- Rubber/Steel</li></ul>		Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul> Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul> Camera Package <ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul>	






1600 SERIES II TRAILER TWIN SCREW

1600 Series II Trailer Single Screw  
620 and 620 XH ft<sup>3</sup> (17.6 m<sup>3</sup>)



1600 Series II  Tru Taper™	U/M	620 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	720 (20)
Weight	lbs (kg)	13,700 (6214)
XH Empty Weight		15,250 (6917)
Max Load @ 25#/Ft.³	lbs (kg)	15,500 (7031)
Max Gross Weight	lbs (kg)	29,200 (13245)
Floor Thickness	in (mm)	5/8 (16)
Sidewall Thickness	in (mm)	1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)	30 (792) x 39 (991)
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)
Viewing Platform		Front w/ Right/Left Access
Screw Flighting Thickness	in (mm)	5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)	54 (1372) x 96 (2438)
Knife Positions		9
Operating Speed	RPM	1000
Drive Package		Direct/2-Speed Manual; 6/20/21-Spline
Minimum PTO HP (Continuous Run)	HP	80
Trailer Type		Unibody w/ Duals
Scale System		3-Point
Tires		(4) 285/70 R 19.5 Tubeless Implement Truck Tires
<b>OPTIONS</b>		
Vertical Mixer Screw - Multi-Angle or Cone Top - Knives - Side Extensions - Rubber/Steel	Hay Retainer Discharge Chute w/ or w/o Magnet Discharge Conveyor Tub Mounted Magnet	Selection of Indicators - Digi-Star®, - dinamica generale® - Weigh-Tronix®
		Camera Package Ladder (Rear Location) Planetary Cooling System Hydraulic Control Center






2400 SERIES II TRAILER TWIN SCREW




2400 Series II Trailer Twin Screw  
650 and 650 XH ft³ (18.4 m³)



2400 Series II  Vortex®		U/M	650 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³		755 (21)
Weight	lbs (kg)		16,500 (7484)
XH Empty Weight			18,000 (8165)
Max Load @ 25#/Ft.³	lbs (kg)		16,250 (7371)
Max Gross Weight	lbs (kg)		32,750 (14855)
Floor Thickness	in (mm)		3/4 (19)
Sidewall Thickness	in (mm)		1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)		26 (660) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)		39 (991) x 34 (864)
Viewing Platform			Front w/ Right/Left Access
Screw Flighting Thickness	in (mm)		5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)		44 (1118) x 86 (2184)
Knife Positions			7
Operating Speed	RPM		1000
Drive Package			Direct/2-Speed Manual; 20/21-Spline
Minimum PTO HP (Continuous Run)	HP		80
Trailer Type			Split Dual
Scale System			4-Point
Tires			(4) 285/70 R 19.5 Tubeless Implement Truck Tires
<b>OPTIONS</b>			
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li></ul> Side Extensions <ul style="list-style-type: none"><li>- Rubber/Steel</li></ul>			
Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul>			
Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul>			
Camera Package <ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul>			

2400 Series II Trailer Twin Screw  
750 and 750 XH ft³ (21.2 m³)



2400 Series II  Vortex®		U/M	750 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³		860 (24)
Weight	lbs (kg)		17,500 (7938)
XH Empty Weight			19,400 (8800)
Max Load @ 25#/Ft.³	lbs (kg)		18,750 (8505)
Max Gross Weight	lbs (kg)		36,250 (16443)
Floor Thickness	in (mm)		3/4 (19)
Sidewall Thickness	in (mm)		1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)		30 (762) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)		39 (991) x 34 (864)
Viewing Platform			Front w/ Right/Left Access
Screw Flighting Thickness	in (mm)		5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)		44 (1118) x 86 (2184)
Knife Positions			7
Operating Speed	RPM		1000
Drive Package			Direct/2-Speed Manual; 20/21-Spline
Minimum PTO HP (Continuous Run)	HP		80
Trailer Type			Split Dual
Scale System			4-Point
Tires			(4) 285/70 R 19.5 Tubeless Implement Truck Tires
<b>OPTIONS</b>			
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li></ul> Side Extensions <ul style="list-style-type: none"><li>- Rubber/Steel</li></ul>			
Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul>			
Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul>			
Camera Package <ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul>			




2400 Series III Trailer Twin Screw  
810 and 810 XH ft<sup>3</sup> (22.9 m<sup>3</sup>)



2400 SERIES III TRAILER TWIN SCREW




2400 Series III  Vortex®		U/M	810 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	950 (27)	
Weight	lbs (kg)	18,305 (8303)	
XH Empty Weight		20,185 (9156)	
Max Load @ 25#/Ft.³	lbs (kg)	20,250 (9185)	
Max Gross Weight	lbs (kg)	38,555 (174888)	
Floor Thickness	in (mm)	3/4 (19)	
Sidewall Thickness	in (mm)	1/4 (6); XH 3/8 (9)	
Door Opening Height x Width (Rear)	in (mm)	26 (660) x 42 (1067)	
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)	
Viewing Platform		Front w/ Right/Left Access	
Screw Flighting Thickness	in (mm)	5/8 (16); XH 3/4 (19)	
Screw Height x Diameter	in (mm)	34 (991) x 108 (2743)	
Knife Positions		5	
Operating Speed	RPM	1000	
Drive Package		2-Speed Manual or T2/T3 Autoshift; 20/21-Spline	
Minimum PTO HP (Continuous Run)	HP	125	
Trailer Type		Split Dual; Tandem Walking Beam	
Scale System		4-Point	
Tires		(8) 245/70 R 19.5 Tubeless Implement Truck Tires	
<b>OPTIONS</b>			
Vertical Mixer Screw <ul style="list-style-type: none"><li>- Multi-Angle or Cone Top</li><li>- Knives</li></ul> Side Extensions <ul style="list-style-type: none"><li>- Rubber/Steel</li></ul>		Hay Retainer <ul style="list-style-type: none"><li>Discharge Chute w/ or w/o Magnet</li><li>Discharge Conveyor</li><li>Tub Mounted Magnet</li></ul> Selection of Indicators <ul style="list-style-type: none"><li>- Digi-Star®,</li><li>- dinamica generale®</li><li>- Weigh-Tronix®</li></ul> Camera Package <ul style="list-style-type: none"><li>Ladder (Rear Location)</li><li>Planetary Cooling System</li><li>Hydraulic Control Center</li></ul>	



2400 Series III Trailer Twin Screw

950 and 950 XH ft<sup>3</sup> (26.9 m<sup>3</sup>)




2400 Series III  Vortex®	U/M	950 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	1100 (31)
Weight	lbs (kg)	19,130 (8677)
XH Empty Weight		21,062 (9554)
Max Load @ 25#/Ft.³	lbs (kg)	23,750 (10773)
Max Gross Weight	lbs (kg)	42,880 (19450)
Floor Thickness	in (mm)	3/4 (19)
Sidewall Thickness	in (mm)	1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)	30 (762) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)
Viewing Platform		Front w/ Right/Left Access
Screw Flighting Thickness	in (mm)	5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)	44 (1118) x 108 (2743)
Knife Positions		7
Operating Speed	RPM	1000
Drive Package		2-Speed Manual or T2/T3 Autoshift; 20/21-Spline
Minimum PTO HP (Continuous Run)	HP	145
Trailer Type		Split Dual; Tandem Walking Beam
Scale System		4-Point
Tires		(8) 245/70 R 19.5 Tubeless Implement Truck Tires
<b>OPTIONS</b> <div> <div>Vertical Mixer Screw</div> <div>- Multi-Angle or Cone Top</div> <div>- Knives</div> <div>Side Extensions</div> <div>- Rubber/Steel</div> </div> <div> <div>Hay Retainer</div> <div>Discharge Chute w/ or w/o Magnet</div> <div>Discharge Conveyor</div> <div>Tub Mounted Magnet</div> </div> <div> <div>Selection of Indicators</div> <div>- Digi-Star®,</div> <div>- dinamica generale®</div> <div>- Weigh-Tronix®</div> </div> <div> <div>Camera Package</div> <div>Ladder (Rear Location)</div> <div>Planetary Cooling System</div> <div>Hydraulic Control Center</div> </div>		

2400 Series III Trailer Twin Screw

1100 and 1100 XH ft<sup>3</sup> (31.1 m<sup>3</sup>)



2400 Series III  Vortex®	U/M	1100 Specifications
Mixing Capacity w/ Extensions (+9¼in.)	ft³/m³	1270 (36)
Weight	lbs (kg)	20,310 (9213)
XH Empty Weight		22,796 (10340)
Max Load @ 25#/Ft.³	lbs (kg)	27,500 (12474)
Max Gross Weight	lbs (kg)	47,810 (21686)
Floor Thickness	in (mm)	3/4 (19)
Sidewall Thickness	in (mm)	1/4 (6); XH 3/8 (9)
Door Opening Height x Width (Rear)	in (mm)	30 (762) x 42 (1067)
Door Opening Height x Width (Side - 2 Locations)	in (mm)	39 (991) x 34 (864)
Viewing Platform		Front w/ Right/Left Access
Screw Flighting Thickness	in (mm)	5/8 (16); XH 3/4 (19)
Screw Height x Diameter	in (mm)	64 (1625) x 108 (2743)
Knife Positions		9
Operating Speed	RPM	1000
Drive Package		2-Speed Manual or T2/T3 Autoshift; 20/21-Spline
Minimum PTO HP (Continuous Run)	HP	170
Trailer Type		Split Dual; Tandem Walking Beam
Scale System		4-Point
Tires		(8) 285/70 R 19.5 Tubeless Implement Truck Tires
<b>OPTIONS</b> <div> <div>Vertical Mixer Screw</div> <div>- Multi-Angle or Cone Top</div> <div>- Knives</div> <div>Side Extensions</div> <div>- Rubber/Steel</div> </div> <div> <div>Hay Retainer</div> <div>Discharge Chute w/ or w/o Magnet</div> <div>Discharge Conveyor</div> <div>Tub Mounted Magnet</div> </div> <div> <div>Selection of Indicators</div> <div>- Digi-Star®,</div> <div>- dinamica generale®</div> <div>- Weigh-Tronix®</div> </div> <div> <div>Camera Package</div> <div>Ladder (Rear Location)</div> <div>Planetary Cooling System</div> <div>Hydraulic Control Center</div> </div>		



# Vertical TMR Trailer Mounted Mixers

## DISCHARGE OPTIONS



### SIDE DISCHARGE

**All Models**

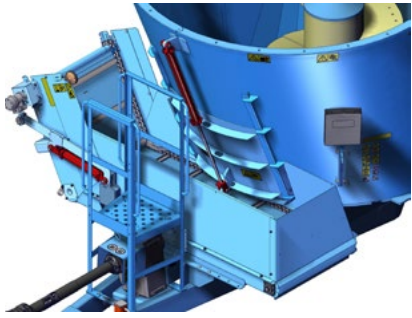
39 x 34 inch  
Gravity Feed  
Adjustable Slider Pan w/Magnet (Optional)



### FRONT DISCHARGE

**Fixed Flat with Incline**

Right or Left  
41 or 53-inch Front Hydraulic Mount  
66 or 88 inch Bottom Hydraulic Mount  
Adjustable Slider Pan  
- Magnet (Optional)



### SIDE DISCHARGE

**Chain Conveyor**

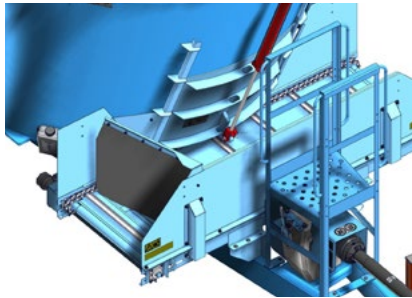
36-inch  
54-inch  
Hydraulic or Manual Position  
Adjustable Slider Pan  
- Magnet (Optional)



### FRONT DISCHARGE

**Fixed Flat Reversing**

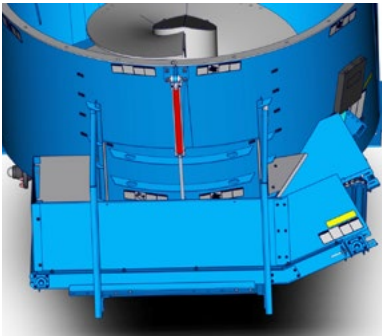
Right and Left  
- Reversing Flap & Wipers  
Mixer Width  
- 3 ½ inch beyond outside tire wall



### FRONT DISCHARGE

**(1200; 1600 II; 2400 II and III)**

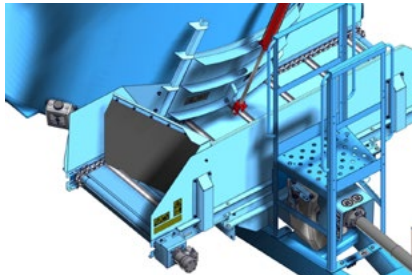
Trailer Mounted (Pictured Left)  
- Material Not Weighed  
Tub-Mounted (Pictured Right)  
- Weighs Material on Conveyor



### FRONT DISCHARGE

**Sliding Flat Reversing**

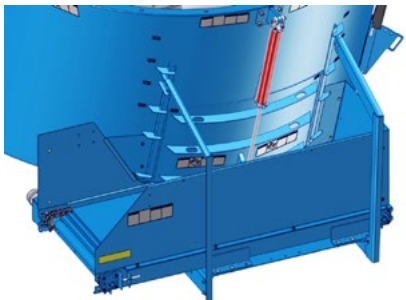
Right and Left  
- Reversing Flap & Wipers  
Mixer Width  
- 3 ½ inch beyond outside tire wall



### FRONT DISCHARGE

**Fixed Flat**

Right or Left  
- Reposition up-to 4-inch.  
Adjustable Slider Pan  
- Magnet (Optional)



### REAR DISCHARGE

**Commodity Door**





# Vertical TMR Trailer Mounted Mixers

## SINGLE SCREW OPTIONAL FEATURES



### FLAT W/INCLINE EXTENSION

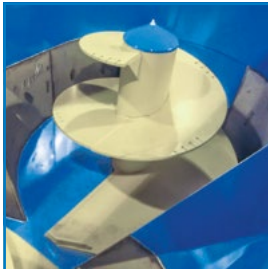
Available with adjustable hydraulic positioning, RH & LH, cross conveyor extensions may extend 41 or 53-inches.

*1200 Series Only*

### FRONT DISCHARGE CONVEYOR

Tub-mounted cross conveyors weigh material on conveyor; Trailer-mounted conveyors are unweighed. Flat cross conveyor include RH, LH, reversing, and sliding discharge options.

*1200 Series Only*



### TUB LINER

Choice of  $\frac{3}{16}$  inch thick steel or 11 gauge stainless steel for additional wear protection of mixer tub.

### CONE TOP

Designed for high-silage or concentrate diets and easy clean-off. Standard AR400 dual kicker for even flow discharge and faster cleanout.

### MULTI-ANGLE TOP

Engineered to direct round bales into the continuous Balanced Flow™ mixing action. Standard AR400 dual kicker for even flow discharge and faster cleanout.



### SIDE EXTENSION

Designed for durability and flexibility, 9½-inch side extension includes rugged rubber side belting for 15% more capacity.

### CHAIN HAY RETAINER

Bolted to the top of the mixer tub, a hay retainer helps guide dry hay inside the tub during mixing.



### MIXING KNIVES

Install genuine Patz knives to manage long fiber in your ration. Pair Patz patented AR400 RAPTOR® bale knife with our custom hardened Tungsten/Carbide serrated knives in a variety of sizes.

### KNIFE OPTIONS

AR400 RAPTOR®  
4¼, 4¾, 5½, 7½, 10-inch

Tungsten/Carbide Serrated  
12, 21½ -inch



### REAR COMMODITY

Pre-mix commodities once & empty into a storage bin. Back mixer into narrow spaces for emptying, and streamline your mixing process.



### SIDE DISCHARGE(S)

Side doors can be equipped with a chain conveyor discharge with collapsible steel sides. Available in hydraulic or manual operation.

### SIDE CONVEYORS

Side discharge conveyors are 36 inch wide with choice of 36 inch or 54 inch lengths.



### PATENTED MAGNET

This Patz Exclusive patented magnet is strong enough to pull tramp metal from the ration while mixing or feeding.

### MAGNET OPTIONS

Tub Magnet  
Magnet that is mounted into the tub wall. (Pictured on left.)

Discharge Magnet  
Attaches to inside of discharge shrouding.



# Vertical TMR Trailer Mounted Mixers

## TWIN SCREW OPTIONAL FEATURES



### FLAT W/INCLINE EXTENSION

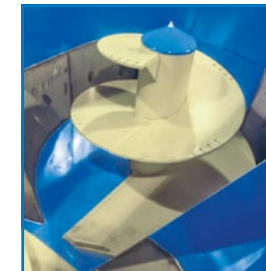
Available with adjustable hydraulic positioning, RH & LH, cross conveyor extensions may extend 41 or 53-inches.

1200, 1600 II, and 2400 Series Only

### FRONT DISCHARGE CONVEYOR

Tub-mounted cross conveyors weigh material on conveyor; Trailer-mounted conveyors are unweighed. Flat cross conveyor include RH, LH, reversing, and sliding discharge options.

1200, 1600 II, and 2400 Series Only



### TUB LINER

Choice of  $\frac{3}{16}$  inch thick steel or 11 gauge stainless steel for additional wear protection of mixer tub.

### MULTI-ANGLE TOP

Engineered to direct round bales into the continuous Balanced Flow™ mixing action. Optional AR400 dual kicker for side even side discharge and faster cleanout.

### CONE TOP

Designed for high-silage or concentrate diets and easy clean-off. Optional AR400 dual kicker for even flow discharge and faster cleanout.



### SIDE EXTENSION

Designed for durability and flexibility, 9½-inch side extension includes rugged rubber side belting reinforced with steel end wall framework for 15% more capacity.

### CHAIN HAY RETAINER

Bolted to the top of the mixer tub, a hay retainer helps guide dry hay inside the tub during mixing.



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Install genuine Patz knives to manage long fiber in your ration. Pair Patz patented RAPTOR® bale knife with our custom hardened Tungsten/Carbide serrated knives in a variety of sizes.

### KNIFE OPTIONS

AR400 RAPTOR®  
4¼, 4¾, 5½, 7½, 10-inch

Tungsten/Carbide Serrated  
12, 21½ -inch



### REAR COMMODITY

Pre-mix commodities once & empty into a storage bin. Back mixer into narrow spaces for emptying, and streamline your mixing process.

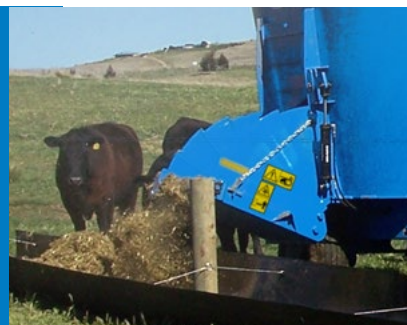


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Tub Magnet  
Magnet that is mounted into the tub wall. (Pictured on left.)

Discharge Magnet  
Attaches to inside of discharge shrouding.



# Vertical TMR Trailer Mounted Mixers

## TRUCK MOUNTS

### CUSTOMIZATION IS KEY.

Every farm or feedlot is unique like their feeding program or individual rations. Your authorized Patz Dealer will help choose a TMR Vertical Mixer for your operation's needs. Choose between a Vertical Trailer, Stationary, or Mounted Trucks Mixers.

Contact your dealer for more information!



**1200 SERIES  
SINGLE SCREW**

420 to 690 ft.<sup>3</sup> (11.8 to 19.5 m<sup>3</sup>)  
mixing capacities



**1600 SERIES II  
TWIN SCREW**

620 to 720 ft.<sup>3</sup> (17.6 to 20.3 m<sup>3</sup>)  
mixing capacities



**2400 SERIES II  
TWIN SCREW**

810 to 1,270 ft.<sup>3</sup> (22.9 to 36 m<sup>3</sup>)  
mixing capacities



# Vertical TMR Trailer Mounted Mixers

## STATIONARY



**400 SERIES II  
SINGLE SCREW**

140 to 240 ft.<sup>3</sup> (3.9 to 6.8 m<sup>3</sup>)  
mixing capacities



**600 SERIES  
SINGLE SCREW**

185 to 235 ft.<sup>3</sup> (5.2 to 6.6 m<sup>3</sup>)  
mixing capacities



**800 SERIES II  
SINGLE SCREW**

270 to 425 ft.<sup>3</sup> (7.6 to 12 m<sup>3</sup>)  
mixing capacities



**1200 SERIES  
SINGLE SCREW**

420 to 690 ft.<sup>3</sup> (11.8 to 19.5 m<sup>3</sup>)  
mixing capacities



**2400 SERIES II  
TWIN SCREW**

810 to 1,270 ft.<sup>3</sup> (22.9 to 36 m<sup>3</sup>)  
mixing capacities



PRECISION FEEDING TOOLS

- We work with the industry leaders in precision feeding hardware to bring you the best management tools to make the most of your TMR and Patz vertical mixers. Select from these top brands and take control of your feeding program today!



INDICATORS/SCALE HEADS WITH LCD & TOUCH SCREEN OPTIONS



LARGE & XL REMOTE LED DISPLAYS



CAB CONTROLS: WIRED OR WIRELESS APS AND ONBOARD CONTROLS



**CAUTION:** Never operate Patz equipment without all shields and guards in place. **Safety Is No Accident.** Before operating any piece of equipment, be sure to read and understand the operator's manual. This manual should be kept with the machine at all times. Additionally, make sure all safety shields and devices are functioning properly and are securely in place. Specifications and prices subject to change without notice.





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