



Model 2400 Twin Screw Vertical Mixers

Partners in Progress since 1948

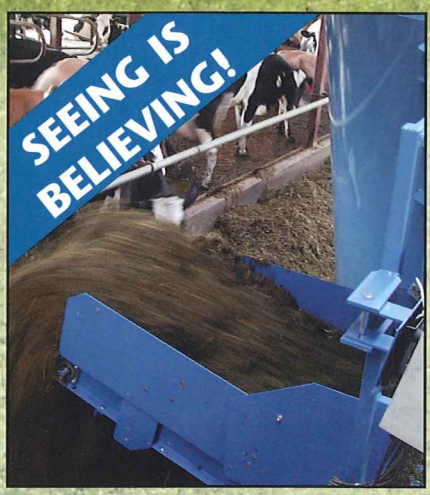
PROVEN PERFORMANCE!

The Best Keeps Getting BETTER:

Available in 810 & 950 cu. ft. sizes!



- Two sizes – only 98" & 106¾" height for easy loading!
- 5 Year pro-rated warranty on planetary and 2-speed gearboxes! Strongest planetary gearbox in the industry.
- 2-speed gearbox requires less horsepower.
- Walking tandem for smooth transport over rough terrain.
- Flexible – handles all feedstuffs, round or square bales, wet or dry.
- Fast mixing and fast discharge saves you valuable time!
- Thorough, consistent ration, regardless of batch size!
- Superior clean-out.
- Reliable, accurate 4-point electronic scale system.
- Simple design – few moving parts for long life, low-maintenance and trouble-free operation.
- Manufactured by Patz Sales, Inc., Pound, WI U.S.A. – meeting the needs of the dairy farmer for over half a century.



Quickly discharges thoroughly mixed ration.

Patz®

FEEDINGSOLUTIONS

See for yourself!
Contact your local Patz dealer for an on-farm demonstration!

FLEXIBLE PAYMENT PLANS AVAILABLE!
ASK FOR DETAILS.





Model 2400 Twin Screw Vertical Mixers

Getting Vertical with Patz = Great Results!

"We can feed a lot faster now than with our old auger mixer. The ration is much more consistent and the mixer cleans out much better."
S.L., MN



Patented baffle design for fast, thorough blending from end to end!

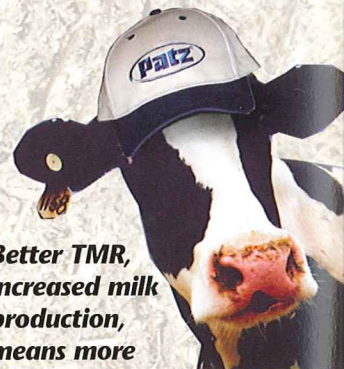
The Patz Twin Screw Vertical Mixer's unique screw and patented baffle design quickly and gently directs all feedstuffs around both screws from end to end producing a thorough, consistent, quality ration **regardless of batch size!**

Performance you can expect from Patz:

- ✓ **Thoroughly and consistently mixes** the ration regardless of batch size!
- ✓ Great ability **to mix a wide variety of forages** without crushing or damaging the feed!
- ✓ The mixer is so versatile that it has the **ability to mix small batches** for those special or fresh groups of cattle!
- ✓ **Mixes and unloads the ration fast**, providing more valuable time to spend elsewhere!

"The Patz unloads fast, more consistent and I like the two-way discharge. Clean-out is really good."

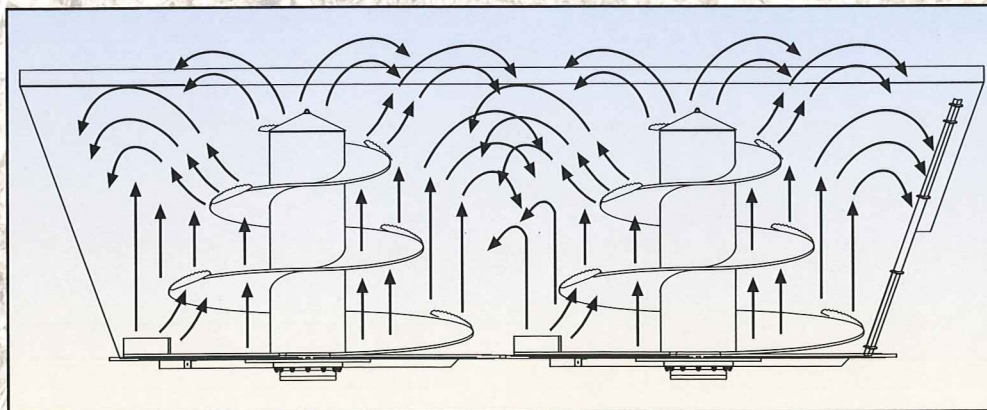
A.J., IA



Better TMR, increased milk production, means more moo-la in your pocket!

Patz vertical mixers provide a true, consistent TMR that cows can't sort out!

The Patz Vertical Mixer combines large volumes of assorted material for a uniform mixed ration. Using two large vertical screws, the ration is combined fast and efficiently without crushing the ingredients.



Feed is pulled away from the bottom of the mixer walls by the specially designed screws, allowing more material to fall as the screws rapidly lift the feed. The continuous lifting and falling action creates a thoroughly blended mixture of ingredients within a few minutes.

After mixing, the screws move the TMR to the discharge area where it quickly exits the mixer for distribution.

Truck mounts available! Call for details.

Optional Features

Customizing options to meet your needs.

Rear Commodity Door

- Pre-mix commodities once and empty into a storage bin for the day's feeding schedule.
- Door location allows mixer to back into narrow spaces for emptying.
- Streamline the mixing process to allow more time for other tasks.

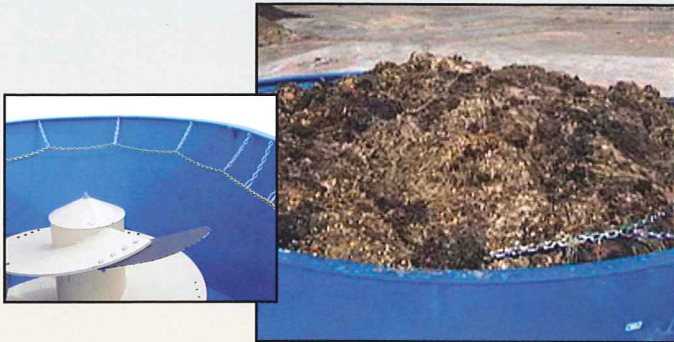


◀ Help protect your livestock investment with a **discharge magnet** to remove traces of metal from the ration.

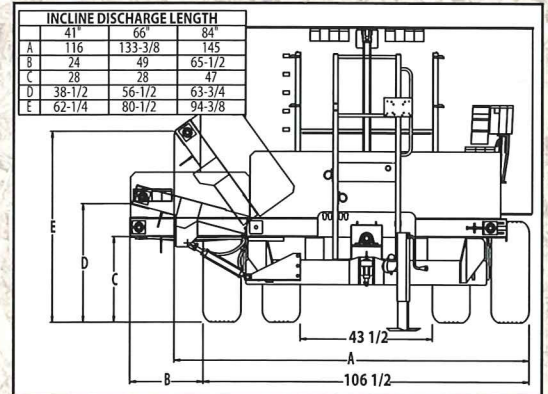
Rubber Side Extensions are 9-1/4" high and add additional mixing capacity.



Hay Retainer chain is 5/16" and hangs inside the top ring of the tub preventing the bale core from pushing hay out of the mixer.



Incline discharge (41", 66" & 84"). Flat and reversible discharges are also available.



Safely view ration mixing from ▶ **viewing platform**. Includes jack stand storage mount.

Also available optional **battery holder kit**. Mounts directly to viewing platform to hold battery used on electronic scales. (Not shown.)

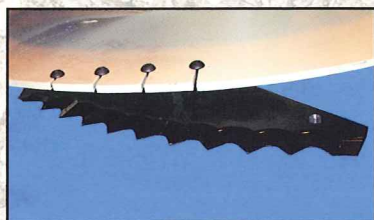
Optional **Shift Control for 2-Speed Gearbox** allows you to shift the two speed gearbox into high, neutral and low gears without leaving the tractor cab. (Not shown.)



Improve your profits by convenient weighing with **Weigh-Tronix® or Digi-Star® scales**. Easy-to-use, programmable electronic scales allow precise formulations. Basic read-up, read-down models and batching models with memory for different menus are available. A signal light and a signal buzzer indicate when desired weight is loaded. Remote display and a controller to zero the scale from a remote location are also available. **Includes manufacturer's 3 year warranty.**

All scales are four-point mounted for load stability and accuracy of ± .5% of system.

◀ **Indicator Extension Arm** Improves viewing when loading from right or left side by extending the indicator an additional 15" from viewing platform.



◀ Add **Knives** to cut up round bales and dry hay. 21-1/2" tungsten/carbide edged or 25" hardened knives extend approximately 8" perpendicular to screw flighting. 12" knives are also available.

Sensor Activated Hour Meter

monitors machine run time and not road travel time.



MADE IN THE USA!

Durable Construction for Years of Dependable Service Life!

Standard features of the Patz Model 2400 Twin Screw Vertical Mixer.

Read customer "Success Stories" at www.patzsales.com or view Patz on-farm demos at www.YouTube.com/patzmarketing



"We like the Patz because it's bigger than our old mixer but still shorter than the other verticals."
D.D., IA

Low height for easy loading:
810 cu. ft. - 98"
950 cu. ft. - 106-3/4"



- 1 Constant Velocity (CV) joint on PTO drive shaft.
- 2 Safety Chain, Hitch Pin and clevis are standard. Clevis for hitch has a 1-3/8" hole instead of a slot to help prevent wear on the clevis and lessen slapping of the trailer when pulling.
- 3 Shear bolt in Primary Drive Line protects drive system and 2 speed gearbox.
- 4 2 Speed Gearbox provides low gear for mixing rations and high gear so mixer can be cleaned out. 5 Year Pro-rated Warranty.
- 5 Front discharge can be to right or left side. Idler end guard can be flipped up for clean-out. All discharges have 36" wide chain conveyors for quick, reliable feed removal. Incline discharges are also available in 41", 66" & 84" lengths.

- 6 8" x 4" x 1/4" underslung "A" frame (over/under) design provides 18" of support at the point where forces are greatest and allows for a shorter turning radius. This frame design gives added strength in load carrying capacity and load turning strength.
- 7 Two Oil Reservoirs for better monitoring of each individual Planetary Gearbox.
- 8 10" x 6" x 3/8" rectangular tubing trailer frame.
- 9 Walking Tandem with 8 wheels and tires for smooth transport over rough terrain.
- 10 Strongest Planetary Gearboxes in the industry. **Industry leading 5 year pro-rated planetary gearbox warranty.** Grease zerk for planetary located at the rear of the mixer for easy access!

- 11 Shear bolt on rear drive line provides added protection for the rear Planetary Gearbox.
- 12 Transport lights with 7 pin connector are standard on all Patz Vertical Mixers, for higher visibility on public roads.
- 13 A 3/4" floor plate provides the solid structure that the mixer is built on. A 3/4" sub floor plate is welded to the bottom of the floor plate, providing a 1-1/2" base for mounting the planetary. For additional strength and stability, 1/2" reinforcement bars are welded to the bottom.
- 14 Two welded steel screws with 5/8" flights. Pre-drilled to accept knives. 7 knife mount locations on 950 cu. ft. model. 5 knife mount locations on 810 cu. ft. model.
- 15 1/4" Thick side walls designed for maximum life.

- 16 Manual pack for operator's and parts manuals along with maintenance log.
- 17 Jack stand 8,000 lbs., capacity swivel mount. Two jack storage locations.
- 18 Restrictors or bale grippers are located on front left and right rear of tub. Adjust in or out as desired to control the flow of forages inside. Longer forages can be processed faster by setting restrictors farther in.

Your local certified Patz dealer is your partner in progress!

- Be sure you choose the appropriate mixer that is well-equipped to handle your current and future production needs.
- Your knowledgeable Patz dealer can recommend the right size mixer and options to improve your overall herd health and production goals today and pave the way for the goals you set tomorrow!
- Rest assured that your certified Patz dealer has the knowledge and training to provide you with excellent service long after the sale!

Some variations may apply on standard and optional equipment for each model size. Please refer to specification page for more information.



Model 2400 Twin Screw Vertical Mixer Specifications

	U/M	V810	V950
CAPACITY			
Mixing	ft ³ (m ³)	810 (22.9)	950 (26.9)
w/Optional Extension	ft ³ (m ³)	950 (26.9)	1,100 (31.1)
UNIT			
Empty Wt.	lbs (kg)	18,900 (8,573)	19,375 (8,789)
Max. Load @ 25#/cu.ft.	lbs (kg)	20,250 (9,185)	23,750 (10,773)
Max. Gross Wt.	lbs (kg)	39,150 (17,758)	43,125 (19,602)
No. of Screws		2	2
Overall Length	In (m)	325 (8.26)	329 (8.36)
Overall Height	In (m)	98 (2.49)	106-3/4 (2.71)
Overall Width	In (m)	109 (2.8)	109 (2.8)
Screw Flighting Thickness	In (mm)	5/8 (15.9)	5/8 (15.9)
Floor Thickness	In (mm)	3/4 (19)	3/4 (19)
Side Wall Thickness	In (mm)	1/4 (6)	1/4 (6)
Minimum PTO Horsepower*		145 hp. (LO) speed 175 hp. (HI) speed	145 hp. (LO) speed 175 hp. (HI) speed
Scale System		4 Point	4 Point
Trailer Type		Walking tandem	Walking tandem
No. of Tires		8 on walking tandems	8 on walking tandems
Tire Size		12.5L15	12.5L15
Operating Speed		1000 RPM	1000 RPM
DISCHARGE DOOR OPENINGS			
Front/Back Doors			
Height	In (mm)	26 (660)	30 (762)
Width	In (mm)	42 (1067)	42 (1067)
Side Doors			
Height	In (mm)	39 (991)	39 (991)
Width	In (mm)	34 (864)	34 (864)
Locations		6	6
FRONT CENTER DISCHARGE			
Chain Conv. Width	In (mm)	36 (914)	36 (914)
Discharge Side		Right or Left w/opt. 41", 66", 84" incline available	Right or Left w/opt. 41", 66", 84" incline available
Ground Clearance	In (mm)	13 (330)	13 (330)
OPTIONS			
Side Extensions		9-1/4" Opt. adds 140 ft ³ to capacity	9-1/4" Opt. adds 150 ft ³ to capacity
Hay Retainer		Opt.	Opt.
Reversible Discharge		Opt.	Opt.
Maximum No. of Knives+		5 per screw 10 total	7 per screw 14 total
Viewing Platform		Opt.	Opt.
Ladder (Rear Location)		Opt.	Opt.
Indicator Extension Arm		Opt.	Opt.
Rear Commodity Door		Opt.	Opt.
Wide Selection of Indicators		Weigh-Tronix® & Digi-Star®	Weigh-Tronix® & Digi-Star®
Battery Mount		Opt.	Opt.
Discharge Magnets		Opt.	Opt.
Hour Meter		Opt.	Opt.

* Minimum PTO horsepower requirement is for continuous run. Starting the mixer under load will require higher PTO horsepower.
+Quantity varies with material in ration and processing time.

Experience the durability, dependability and proven performance of the Next Generation of Patz Vertical Mixers.

Choose from a variety of single and twin screw models ranging from 140-1,100 cubic feet of mixing capacity!

Contact your Patz dealer today!

The Best Keeps Getting BETTER!



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.

Tochiku 株式会社 トーチク

〒302-0032 茨城県取手市野々井806
TEL 0297-78-5311(代)
FAX 0297-78-5315