# FULL PRODUCT SHOWCASE

Manufactured by Patz® Corporation, a Wisconsin-based, family-owned company.

## VERTICAL TMR MIXERS

A Total Mixed Ration (TMR) is created when feed particles fall together simultaneously. A true TMR is engineered to eliminate obstacles and dead spots without sacrificing mix performance.

Patz's Vertical TMR Mixers are designed with Balanced Flow™ Technology in their design. With a precision fitted screw inside a vertical relief proportional tub, feed travels along the sidewall and is pulled away from the tub wall base. Lifting up the screw center, the feed then falls, and mixes at the tub end walls and at the patented contoured baffles. The Balanced Flow™ created allows the feed to mix uniformly together without crushing ingredients. Restrictor plates separate sidewalls and end walls to adjust the mixing cavity capacity. The end result is the Patz signature "rolling boil".

Balanced Flow™ Technology ensures a consistent TMR. A wide variety of conventional and alternative ingredients can be used from long fiber to the finest concentrates. Patz TMR is balanced to the last bite.

Our vertical mixers offer application adaptability with a complete range of vessel capacities, configurations, and discharge options.

- Units available in Stationary, Truck Mount or Trailer
- Working Capacities: 140 - 1,825 cu. ft. (11.64 - 51.7 $m^3$)
- Mix quickly with single, twin, or triple auger configurations
- Multiple discharge door options available to accommodate your feeding needs
- Stationary unit drive packages in high and low voltages with Variable Frequency Drive control centers
- Towed PTO trailer models are a must for larger units, facilities, and applications

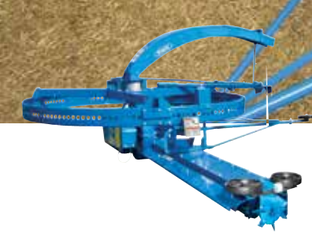
## CHOPPERS

The Patz 9427 Chopper is great for processing feedstuffs, bedding, and brush mulch. Chopper grate is controlled by a single handle with 7 positions for varying length of cut.

A rotating drum feeds the powered rotor of 19 blades. The four-point, double-edged Quadra-Shark® Blades are a Patz exclusive product that reverse for longer service life.

- Two styles: portable and stationary units
- Portable units have side discharge with 13 HP gasoline engine
- Stationary units have bottom discharge with 3, 5, or 10 HP electric drive package
- All 9427 choppers come standard with a Class ABC rated fire extinguisher

*featuring Quadra-Shark® Blades*



Single Auger Ring Drive

Ring Drive

Surface Drive

## SILO UNLOADERS

Our silo unloaders are designed for high-volume delivery for the toughest conditions. Feed fast and reduce labor costs with our adjustable diameter silo unloaders. Available with auger or gathering chain feed removal.

Each machine offers easy installation in new or existing silos for same day operation.

### RD-2200 Ring Drive

- Fits silos 12’ – 24’ (3.7 – 7.3 m) in diameter
- 7-1/2 or 10 HP single or 3 phase motors
- Feed removed by gathering chain
- Automatic system for raising or lowering

### 98C Surface Drive

- Fits silos 12’ – 30’ (3.7 – 9.1 m) in diameter
- 7-1/2 or 10 HP single-phase motor or 10 HP 3-phase motor
- Feed removed by gathering chain
- Depth-of-cut control with counterweight for even feed flow

### A1 Single Auger Ring Drive Silo Unloader

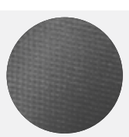
- Fits silos 12’ – 24’ (3.7 – 7.3 m) in diameter
- 7-1/2 or 10 HP motors
- Feed removed by auger
- Optional hexapod support system with highest lift in the industry

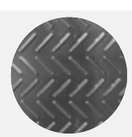
## CONVEYORS/FEEDERS

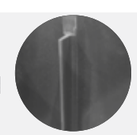
No two conveying applications are alike. Patz offers 14 intermediate, distribution, and cross-conveyor platforms with options in customization and capacity. Chain-and-flite, belt trough, and belt-plow-off applications move feed and materials using innovation and versatility.

| | **Chain & Flite Conveyor** *(Steep Elevation in confined spaces)* | **Belt Trough Conveyor** *(Efficient Horizontal & Inclined Transfers in linear conveying)* | **Feeders/Moveable Plow-Off & Distribution Conveyor** *(Creates windrows, fills storage bins, bays and transport containers. Discharge by side, section or direction)* |
|---|---|---|---|
| Length | 25’ - 100’ | 25’ - 400’ (reversible up to 75’) | 25’ - 400’ |
| Belt Speed | 81 $ft^3$/minute (44$^3$/hour) | 98 - 209 $ft^3$/min (167 - 355 $m^3$/hour) | 85 - 180 $ft^3$ /min (950 - 3250 lbs) |
| Incline | 40˚ linear elevation; 22˚ incline elbow | < 30˚ | < 30˚ |
| Horsepower | 1 - 3 HP for 75 fpm | 1 - 3 HP for 65-370 fpm | 1 - 7½ HP drive for 65-325 fpm |
| Width | 10” - 16” (25.4 - 40.6 cm) troughs | 12” - 36” (30.5 - 91.4 cm) belts | 12” - 24” (30.5 - 60.9 cm) belts |

**PVC Belting Options Include:**

Low-Stretch Smooth 

Textured 

Cleated 

**IntelliChain® Alley Scrapers**

**IntelliCable® Alley Scrapers**

**IntelliShuttle® Cable Box Scraper**

**IntelliShuttle® II Chain Box Scraper**

## ALLEY SCRAPER SYSTEMS

The Alley Scraper System offers intelligence and durability in automated floor maintenance. The IntelliChain®, IntelliCable®, and IntelliShuttle® scraper systems are engineered for continuous cleaning, long service life, and low maintenance. Sweep barn alleys clean without disrupting cows.

The Sentinel control system is completely programmable with Manual, Continuous, and Automatic modes (up to 12 daily cycles). Additional features include speed control, safety stop/reverse, and maintenance management.

- Maintain service alleys or walkways up to 1,750’ (534 m) long with chain or 500’ (155m) with cable; at 7’ (2m) to 16’ (5m) wide
- Manage slurry canals and catchments up to 400’ at 36” x 36”
- Operates on drive circuit of recessed cable, chain, or rope
- Energy efficient planetary drives up to 3 HP motor

## THE ORIGINAL
## Hook and Eye Chain Link

Patz Chain is true forging. . .not a casting!

- Forged from rigidly spec'd alloy steel for premium wear resistance
- Precision, closed-die forging with exacting tolerances ensure uniform linkage and smooth operation
- Heat-treated and hardened for maximum impact and fatigue strength
- Industry leading 15-year pro-rated (5-year full) extended written warranty

**Flite Options**

- 447 Low Flite made of 2"x 2" (51 mm) ¼" angled steel bar
- 467 High Flite is laser cut ¼" (6.35 mm) steel with 90˚ tapper fold rising to 4" (102 mm) end
- Customized flite widths of 15" – 20" (38 – 50 cm) in ½" increments for in-floor formed gutters
- Flites may be spaced at 12", 18", and 24" (305, 457, 610 mm) intervals for adjustable conveying capacity
- Powder coated to limit corrosion

**Patz has been the the industry leader in gutter cleaner chain for over 75 years. Choose the chain link stamped PATZ.**

Channel-fitted leading edge allows wall-to-wall conveying

XL rectangular wear shoe reduces leading edge wear and floor grooving

Robot welded for consistent chain tracking and uniform drive point contact

## 400 GUTTER CLEANER

The machine that started it all and put Pound, Wisconsin on the map.

The Patz Gutter Cleaner system has been used by farmers worldwide since 1948!

- Move +50 tons per hour at +40 $ft^3$ (1.2 $m^3$) per minute
- Planetary or reducer drive package options: 2 – 7½ HP (1.5 – 5.6 kw)
- Product stream speed options: 12 – 36 fpm (3.7 – 11 mpm)

**360˚ Flexible Installation and Layout**

Installs in current barn or new facility.

- 400 ft (122 m) standard circuit
- Guarded reverse curves and corners up to 180˚
- Incline or decline elbow channeling up to 22˚
- Above-floor steel troughs or recessed concrete gutters
- Trough covers, trap doors, tapered sidewall, and liner options
- HSLA[1] corrosion resistant, powder coated steel with a 10-year pro-rated warranty

[1] High Strength, Low-Alloy Steel

*Note: Guarding has been removed for illustration purposes only.*

## CROSS GUTTER MANURE AUGERS

The MA-12 Cross Gutter Manure Auger is the most optimized manure-conveying system available. It has a total channel length of 400 ft with interfaced tandem drives.

The MA-12 is ideally designed as a shallow cross gutter option for alley scraper drop zones up to 200 ft in length on a single drive. For longer gutters, augers may be installed in a tandem pusher-puller configuration. The 12" diameter flighting is optimal for an 18" x 18" channel.

Drive package options offer installation flexibility for above pit (dry) or immersed (wet) operation.

FEATURES include:

- 12' standard auger sections available in 1' increments
- 3/8" (9.5mm) tapered continuous coil steel flighting
- 2-7/16" (61.9mm) diameter hardened steel coupling shaft
- Coupled hanger with seated UHMW polyethylene symmetrical split sleeve bearing
- Available in 5HP or 10HP drive packages

Hydraulic Piston Pump

Vertical Pit Pump

Vertical Electric Prop Agitator

9000 LTS Submersible Pump

## MANURE PUMPS

Patz high-efficiency pumps agitate and transfer slurry, manure, and sand-laden manure to secondary locations or storage areas with minimal horsepower.

**Hydraulic Piston Pumps:**

- Transfer solids-laden slurry 150-2,000 ft (45-600 m)
- Industry's largest diameter stainless steel cylinder
- 3, 5, or 7 HP hydraulic power-pack to pump 50 - 190 gpm (10 $m^3$ - 44 $m^3$ per hour)

**Vertical Pit Pumps:**

- Pump and agitate up to 4,000 gpm (15 m3) with centrifugal impeller pumps
- Designed for pit depths of 3 to 12 ft (1-3.7 m)
- Intake housing, impeller, and sheer plate are made of AR400 steel
- Drive packages sized from 20 - 60 HP, or tractor PTO
- Rotate up to 90° with agitation ports

**Vertical Electric Prop Agitator (VEPA):**

- Pit depths from 6' – 16' (2 – 5 m)
- Agitation Capacity: 9,000 gpm (34$m^3$)
- Minimal HP requirement (7-1/2 - 15 HP)
- 20" propeller rotates up to 180° for controlled agitation

**9000 LTS Submersible Pump:**

- Industrial Duty, 1 HP pump @ 20 - 160 gpm
  - Patz 400 Gutter/Stable Cleaner Sump
  - Grey/Wash Water Milkhouse/Parlor Sump
  - Effluent/Wastewater Overflow Catchments

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