



Since 1948

**IntelliChain<sup>®</sup>**  
Alley Scraper

**The IntelliChain<sup>®</sup> Alley Scraper System has the brawn and the brains needed to keep your herd clean 24/7/365!**

**Designed with your operation in mind!**

- Advanced **SmartSense<sup>®</sup>** learning system constantly adjusts to weather, bedding, and manure changes while recalculating the amount of torque needed to pull to the drop point.
- Energy-efficient planetary gearbox driven by single  $\frac{3}{4}$ -hp motor!
- Narrow, space-saving drive unit design provides ultimate layout flexibility.
- Slider sleds available for layouts with alleys of unequal lengths up to 1,000 ft. (305 m) total circuit.
- On-floor or recessed chain installation available – easily installs in new or existing barns!
- Low maintenance!

**Let Patz handle your manure  
so you don't have to!**

**Work Smarter, Not Harder!**

**MANURE SOLUTIONS**  
[www.patzcorp.com](http://www.patzcorp.com)



# Manure happens ... make the most of it with !

## SmartSense® MasterMind Control Panel

**Provides the quality and safety features you want for your employees and family.**

- Fiberglass enclosure.
- Glove-friendly, easy-to-use, 5.7" (145 mm) black and white touch screen display.
- 3 operational modes: MANual, CONTinuous, and AUTOMatic (schedule up to 12 cycles per day).
- Adjustable speed control.
- Superior sensitivity - programmable BUMP feature.
- Patz innovative "Learning System."
- Faults and services are stored in memory to allow service technicians to quickly pinpoint problems.
- Easy-to-use, quick-connect electric cables with pre-wired junction box.
- Integrated LOCK-OUT/TAG-OUT power disconnect lever.
- HARD PULL one-button feature works great for freshly bedded alleys and times of heavy or excessive manure.
- PARK feature keeps scrapers out of way when needed (designate alternate scraper location other than HOME).
- QUICK CLEAN feature cleans alley in between scheduled cleanings.
- Easy-to-understand pictorial icons.
- Black plastic manual box included to protect Operator's and Parts Manuals from the environment.

Save steps and labor when you control all functions of the IntelliChain® Alley Scraper at the



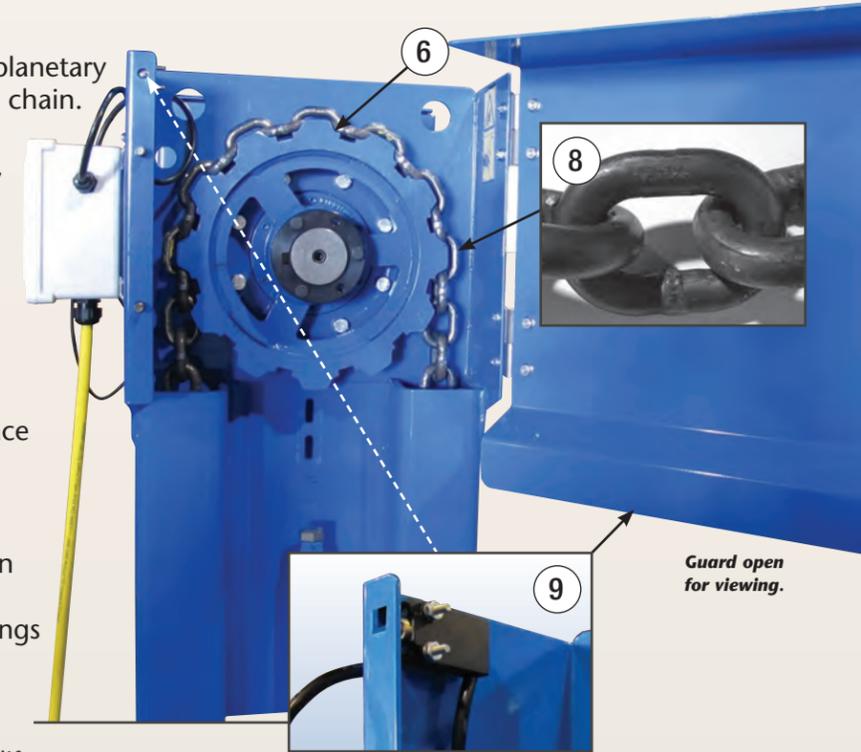
Available in:  
1Ø or 3Ø, 230 V power, 50/60 Hz.  
Higher voltage option available.



SmartSense® Control Panel features an easy-to-use, "glove-friendly" touch screen.

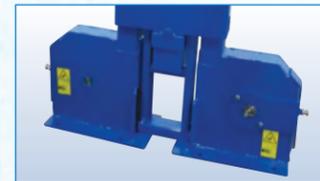
## IntelliChain® Drive Unit (Continued)

- Driven pulley** takes power from motor to planetary to pocket sprocket which, in turn, drives the chain.
- Planetary gearbox** is more energy-efficient, uses less horsepower than conventional gearboxes, and provides quiet operation.
- Pocket sprocket** cradles the chain, effectively driving it in forward or reverse. Connected to the reducer with a tapered bushing, the pocket sprocket is easy to replace (sprockets available in four different colored stages for easy identification).
- Drive unit corner wheels** can be placed in straight, corner, parallel, or offset mounting formations for layout flexibility and space savings (see Drive Unit Configurations below). Steel housing encloses drive unit corner wheels for safety and protection. Corner wheels feature hardened axle and nylon bushings for longer life.



Guard open for viewing.

### 7 DRIVE UNIT CONFIGURATIONS



"I" (Straight) Position  
Most basic setup.



"L" (Corner) Position  
This setup positions the drive unit in the alley.



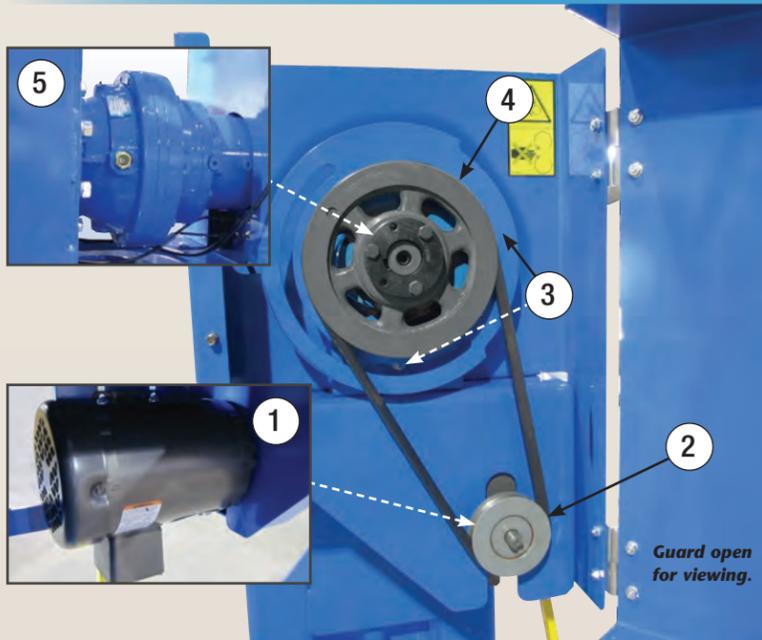
"U" (Parallel) Position  
This setup provides space savings and locates the drive unit in a corner out of basic travel routes.



"Z" (Offset) Position  
This setup provides space savings by narrowing up the space required for the drive. Can be used instead of the "straight" position.

- Patz chain** is made of high-quality 1/2" (13 mm) hardened steel to withstand the stress and friction of contact between links and concrete alleys. To ensure you always receive genuine Patz chain, every sixth link is imprinted with 'PTZ.' Patz chain can be ordered in a variety of lengths, including custom lengths in one-foot increments for splice-free installation.
- Guard doors** provide safety for operators and protection for drive unit components. Opening a guard door will activate a **safety interlock** that automatically shuts the unit down.

## IntelliChain® Drive Unit



Guard open for viewing.

- Three-phase, ¾-horsepower electric motor** powers the drive unit. (IntelliChain® Alley Scraper will operate on single- or three-phase input power.)
- Motor pulley** is a common single belt and pulley design for power transfer from motor to planetary gearbox. Large motor pulley designed for greater belt life.
- Sensor disc and proximity sensors** work in conjunction to provide the SmartSense® Control Panel necessary information to keep track of the scraper's position and direction.

Keep your livestock clean and healthy by installing the IntelliChain® Alley Scraper, a part of the



# Customize your IntelliChain® Alley Scraper to fit your operation!

## Corner Wheel



### Low-Profile Corner Wheel

12" (305 mm) nominal diameter welded plate steel corner wheels feature a low-profile design. 2" (51 mm) diameter hardened axle and nylon sleeve bearings provide low maintenance and long life.



Cover removed for viewing.

## Folding V Scraper

- Low-profile scraper wings and folding design allow easy passage for animals, tractors, and skid-steer loaders when bedding freestalls.
- Replaceable wings available for easy servicing.
- Cleans alleys with widths from 64 to 174 inches (1.6-4.4 m).

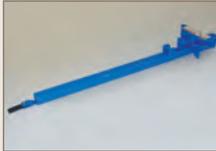


## Folding Angled Tip-Up Scraper



- Wings pivot to follow wall tightly for better cleaning.
- During the reverse movement, the blades tip up and the wings pivot inward.
- Heavy enough to clean better; extra steel in wear points.
- Cleans alleys with widths from 84 to 192 inches (2.1-4.9 m).

- Replacement blades and wings available for easy servicing.
- Scraper removes easily – center in slot and lift off.
- Scraper can be replaced without removing sled.



## Versa Folding V Scraper

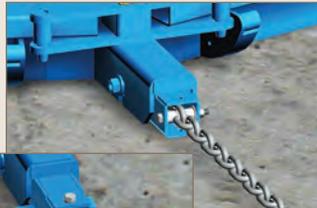
- Low-profile scraper wings and folding design allow easy passage for animals, tractors, and skid-steer loaders when bedding freestalls.
- Cleans alleys with widths from 64 to 174 inches (1.6-4.4 m).
- Optional choice of three economical, replaceable, bolt-on blade edges:
  - AR400 STEEL for use with sand bedding.
  - RUBBER for use with rubber mat floors.
  - URETHANE for use with rubber mat floors or concrete (where floor wear is a concern) and sand bedding. This is a great alternative material for longer wear.
- Universal scraper wings are replaceable.



## Sleds

Sleds available for on-floor and recessed chain installations. Slider sleds allow chain to pass through for installations with unequal alley lengths.

56½" (1,435 mm) sleds provide scraper stability. 36½" (927 mm) sleds are available where a shorter sled is required.



## For Rubber Flooring

Hard nylon rollers located on sled ends and scraper arms position the scraper above the rubber covered alleys, ensuring only rubber blades touch rubber flooring.



Since 1948



**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.



For some photos in this brochure, guards were removed for photographic purposes only to allow viewing of the equipment features. Before operating equipment, all guards must be in place. Because Patz continually improves and updates products, Patz reserves the right to change the construction of machines or attachments or any part thereof without incurring any obligation to make like changes on Patz machines, or attachments previously delivered. Specifications and prices subject to change without notice.

## Proven Performance You Can Count On!

Patz Corporation

917 Business 141, POB 7 • Pound, Wisconsin 54161-0007

Ph: (920) 897-2251 • Fax: (920) 897-2142

www.patzcorp.com • info@patzcorp.com

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**FLEXIBLE PAYMENT  
PLANS AVAILABLE.  
ASK FOR DETAILS.**

