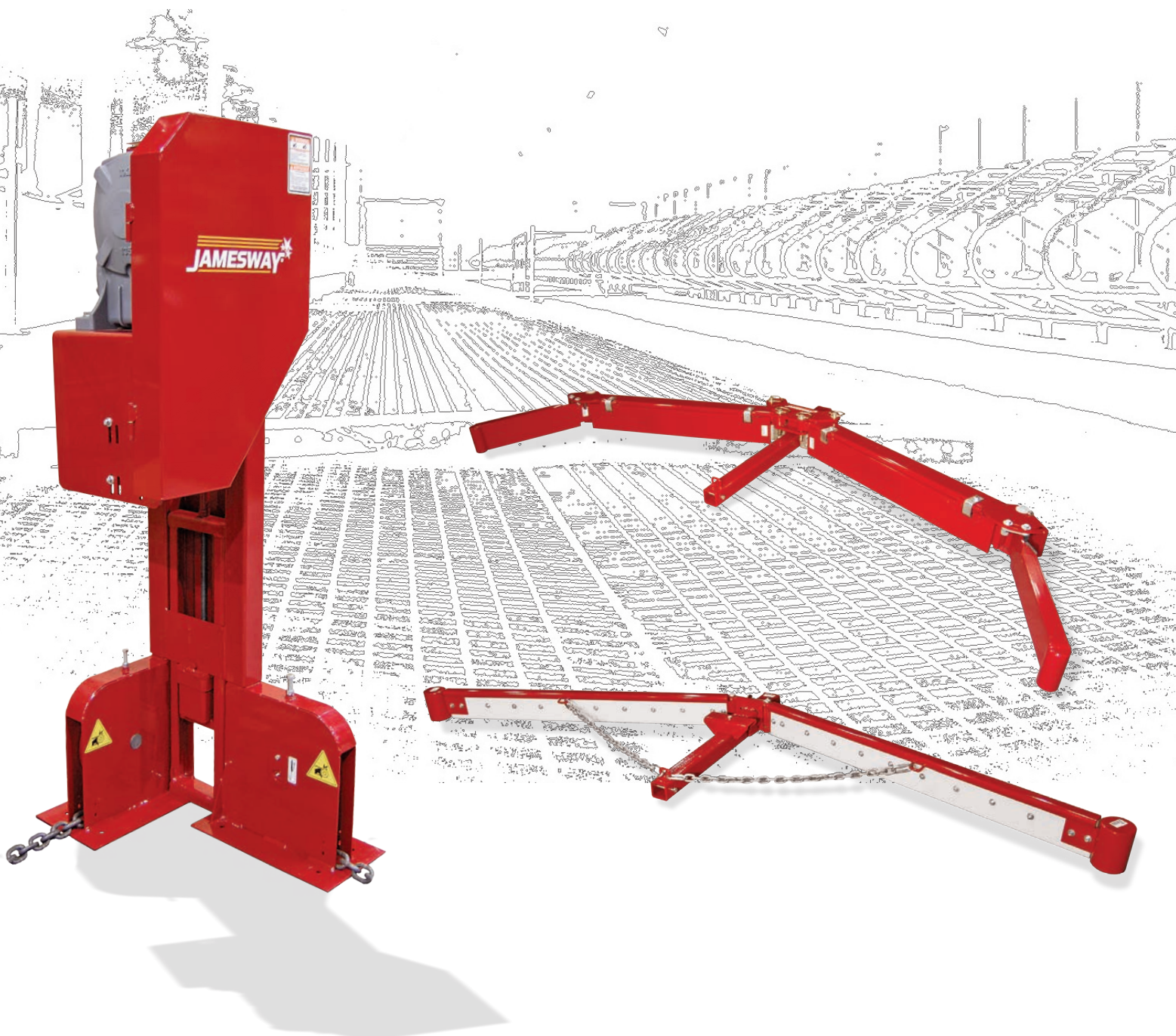


JAMESWAY

DURA-CHAIN ***SCRAPER SYSTEM***



FLEXIBILITY...

The compact drive is easy to hide.

The small footprint of the Drive Unit is a real advantage. It is easy to position the DURA-CHAIN Drive Unit without blocking doorways, and the flexible layout options keep you in control of the barn plan. Choose the configuration for your barn:

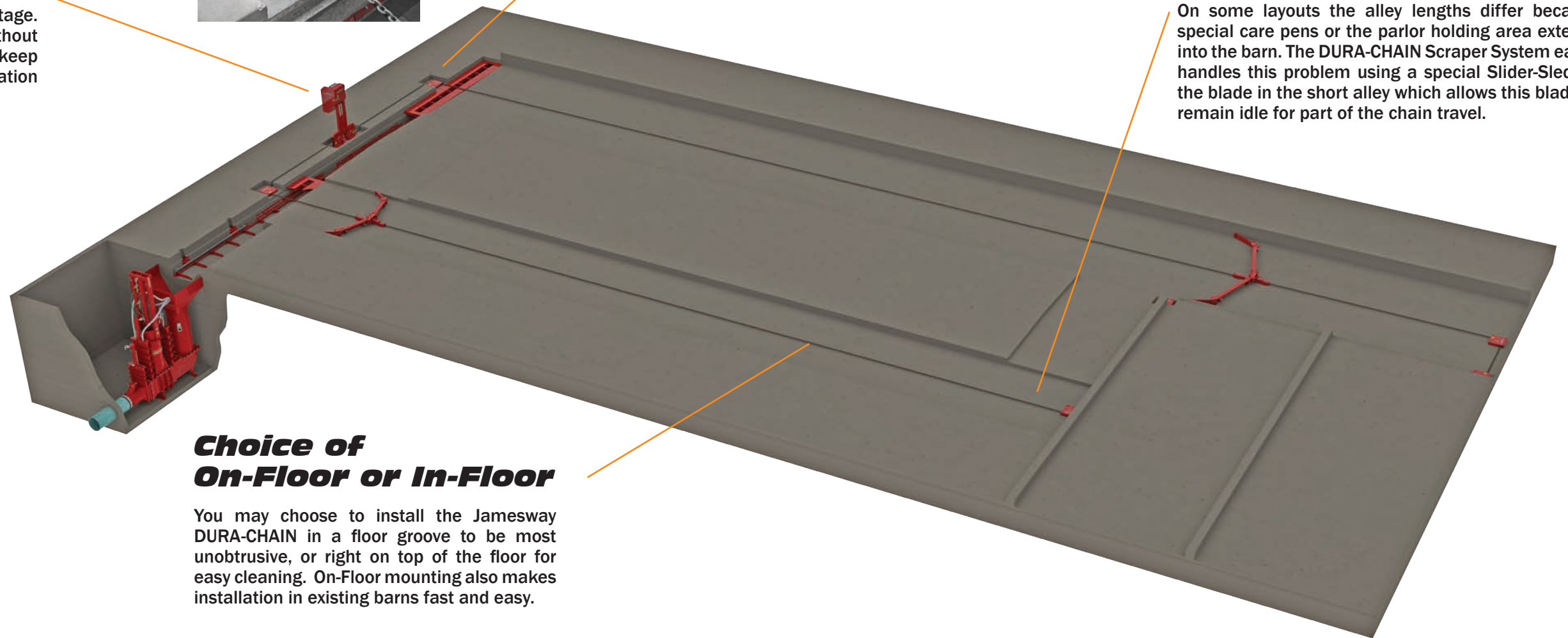


Low profile corner wheels

Even the smallest skidsteer loader can pass over this wheel. At only 3" tall, these corner wheels are also easy to hide under walkways.

Alleys of differing lengths are no problem

On some layouts the alley lengths differ because special care pens or the parlor holding area extends into the barn. The DURA-CHAIN Scraper System easily handles this problem using a special Slider-Sled on the blade in the short alley which allows this blade to remain idle for part of the chain travel.



Choice of On-Floor or In-Floor

You may choose to install the Jamesway DURA-CHAIN in a floor groove to be most unobtrusive, or right on top of the floor for easy cleaning. On-Floor mounting also makes installation in existing barns fast and easy.

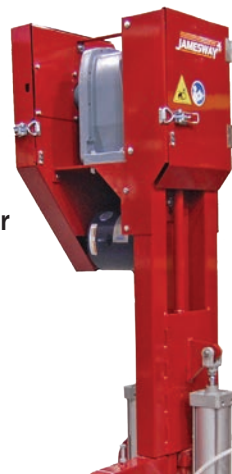
Two Models:

STANDARD DRIVE UNIT:

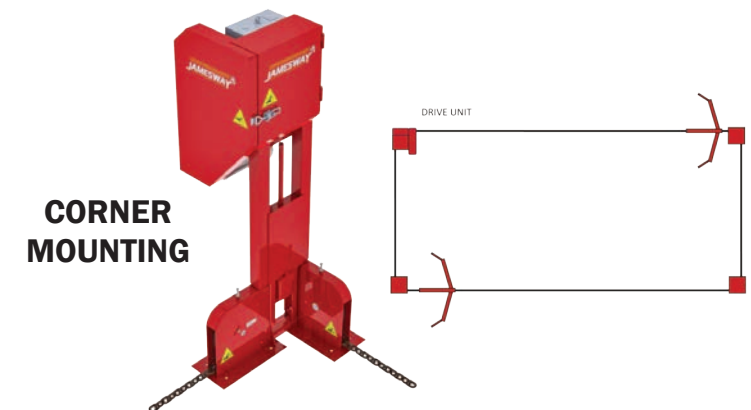
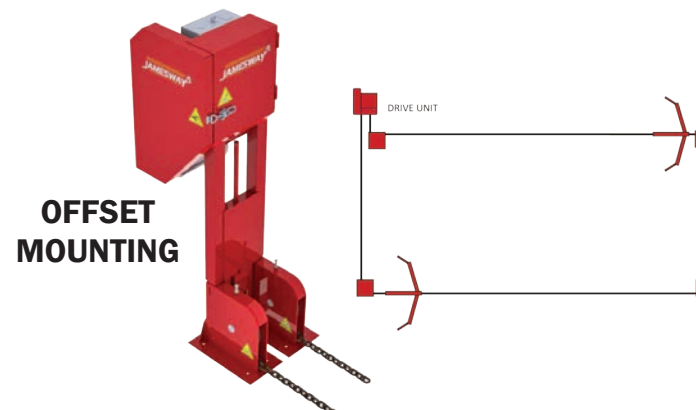
Max. 400 ft of chain with 4 blades or max. 600 ft of chain with 2 blades.

XL DRIVE UNIT:

Max. 1000 ft of chain with 4 blades.



Choose the layout for your barn:



DURABILITY...

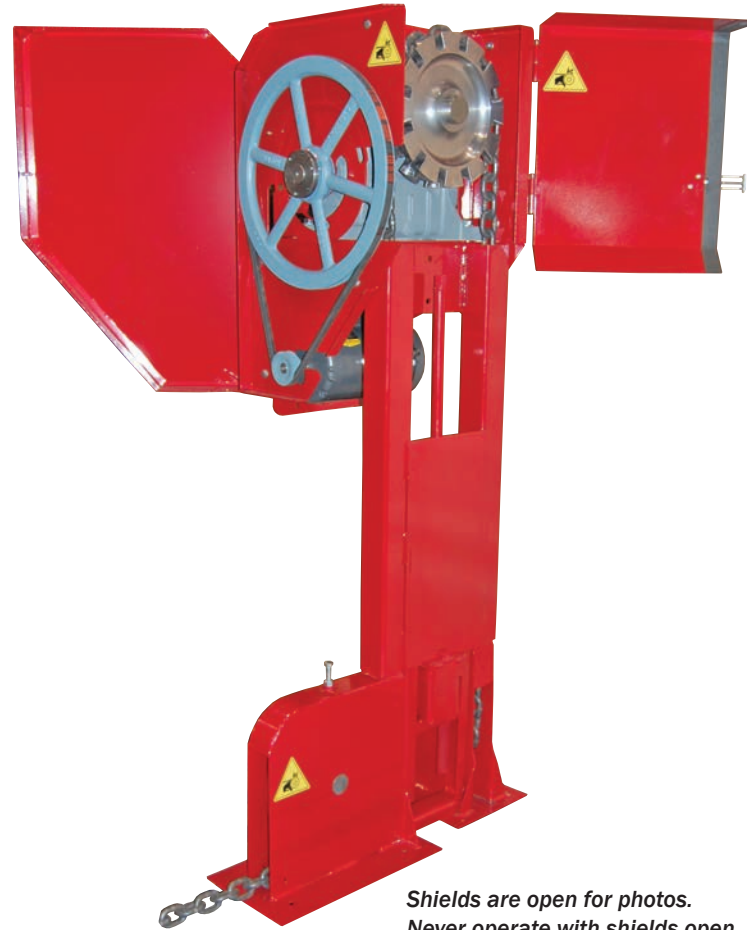
One moving part

Simplicity is fundamental to durability, and nothing could be simpler than the Jamesway DURA-CHAIN Drive Unit. The gearbox is the only moving part, so we made it massive. The “pocket-type” chain sprocket is extremely gentle to chain and is mounted directly on the gearbox output. The simple belt drive provides gentle start-up.

Compact unit fits anywhere.



Gentle “pocket-type” chain sprocket.



Shields are open for photos.
Never operate with shields open.

Hardened chain stands up to wear

Jamesway DURA-CHAIN is hardened to resist wear. Unlike mild steel chains, the heat treated ½” diameter steel links of the DURA-CHAIN can withstand the steel-on-steel or steel-on-concrete wear that scraper chains are exposed to. The chain can be run in a 2 3/8”x 2 3/8” floor groove, or this compact chain can run on top of the floor without creating cow disturbance.

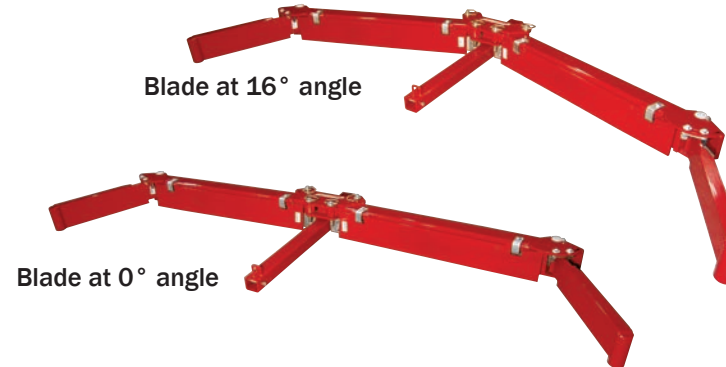


Shown actual size.

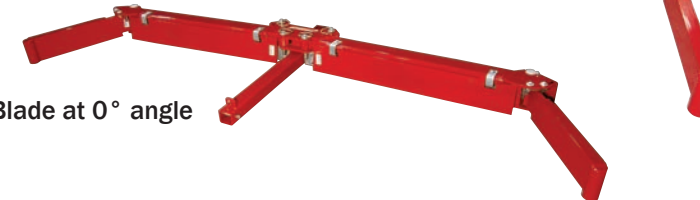
Straight blades for every application

Straight blades are popular because they open and close quickly, allowing cleaning to begin immediately at the top of the alley. The rollback center blades and the outer wings are both self-adjusting for wear.

Blade at 16° angle

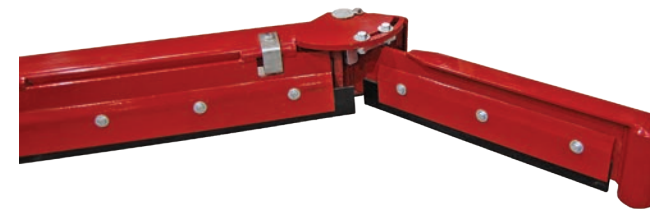


Blade at 0° angle



When operated at 0° angle (fully straight), Jamesway Straight blades will require the least amount of space at the ends of the barn. The same blade may also be set to operate at 16° angle to keep the manure load centered when used in drier conditions.

Straight blades with wiper edges produce the driest, cleanest finish on smooth floors. The replaceable wiper edges are available in rubber or in urethane for greater wear resistance.



V-blades for lowest maintenance



V-blades are the best choice for low maintenance. The replaceable wear blades can be used 4 times before they must be replaced, keeping maintenance costs low. For abrasion resistance, choose the steel wear blade. For ultra-gentle cleaning of rubber floors, choose the UHMW wear blade.

No tools required

Jamesway scraper blades are quick-attach mounted to the towing sled. Blade removal for service is fast and no tools are required. All models of Jamesway blades can also quickly be folded without tools to allow passage of tractors.

RELIABILITY...

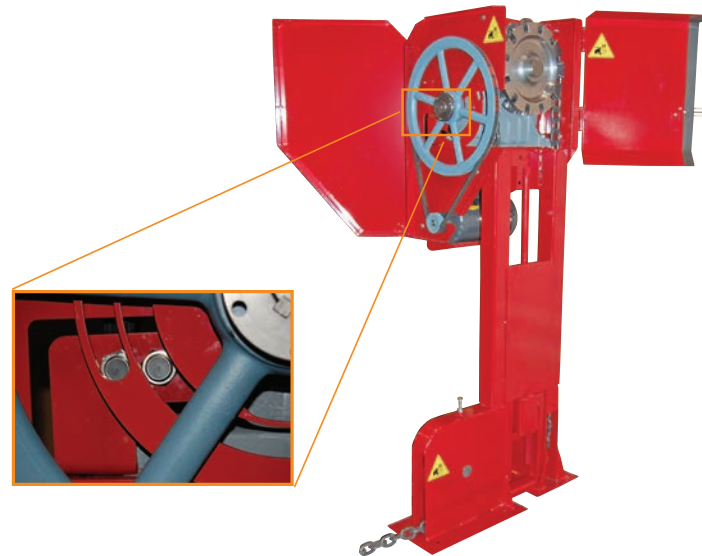
DURA-CORE Corner Wheels

The heavy-duty 12" wheels run on DURA-CORE bushings for long life and low maintenance. The 1.75" diameter shaft anchors the wheel into the sturdy welded box. The removable top on the wheel box makes service or cleaning easy.



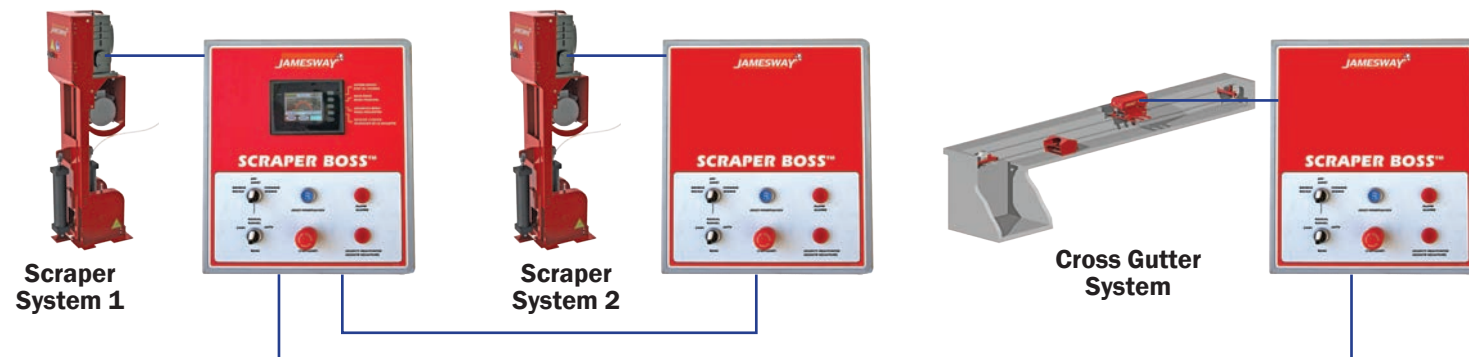
"Switchless" Switching

Jamesway's DURA-CHAIN Drive Unit improves reliability by eliminating the use of mechanical reversing switches. A simple slotted disc is mounted "high-and-dry" behind the drive pulley. As the disc spins, a pair of sensors "count" the rotations of the pulley. Besides being extremely simple and reliable, this system allows the SCRAPER-BOSS™ control panel to always know the exact location of the scraper blades in the alley.



One "BOSS" and two slaves

It only takes one SCRAPER-BOSS Master Control to operate up to three systems in one barn. The Master control operates one scraper system while also commanding "Slave" controls on a second scraper system and / or a cross gutter system.



Controls that work the way you do.

Jamesway's new SCRAPER-BOSS™ control panel packs a lot of brain power, yet the Touch-Screen display is easy to use. The PLC (Programmable Logic Controller) based technology makes simple work out of complex tasks, so you can spend your time doing something else.



SCRAPER-BOSS™ Features:

- Easy-to-use Touch-Screen display. Large touch buttons appear on the screen. The multi-function display remains uncluttered as it offers only the needed keys for the adjustment you are making
- Variable speed motor control. Allows you to choose the blade speed you prefer.
- Superior animal protection. Computerized monitoring constantly checks for fluctuations caused by animals. Any detection of an animal will cause the system to reverse and re-try.
- Chore time blade parking. Automatically park the blades out of cow traffic at milking time and then revert to normal operation after chores.
- Blade position tracking. The system always knows the true position of the scraper blades.
- Programmable schedule lets you clean exactly when you wish and even remembers seasonal changes in your routines.
- Long term memory. Allows service technicians to quickly pinpoint any problems.

Scraper-Boss can run your entire manure system.

The Scraper-Boss control panel can start crossgutters or pumps in co-ordination with the scrapers. Jamesway's wide variety of Automation Kits make manure handling simple.



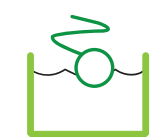
Synchronize with Scrapers



Remote Start Control



Liquid Level Control



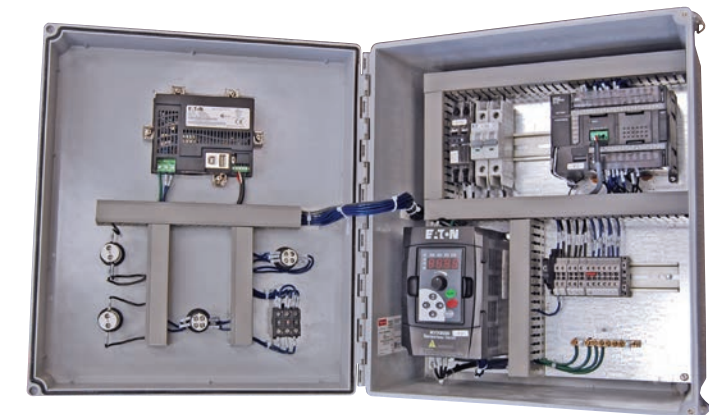
Float Control



Clock Control



Timer Control

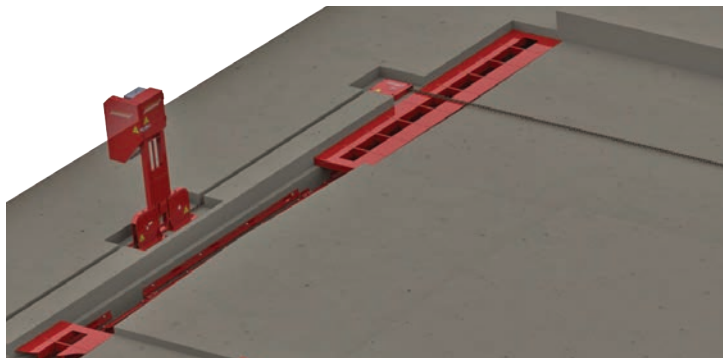


The SCRAPER-BOSS offers excellent reliability by replacing mechanical clocks, timers and relays with a single solid state PLC module.



DO THE JOB RIGHT..

Good planning and the right accessories will make your system look better, work better and last longer. Products like our modular gutter covers give a professional quality finish to your new barn, while making service access easy. Your factory trained Jamesway Dealer will work with your barn planner to ensure that your equipment is properly selected and placed for optimum performance and for ease of service. Jamesway supplies your concrete contractor with all the information he needs to do the job right.



Modular Gutter Covers are used to cover the manure gutter in the scrape alleys. These 12" or 18" wide heavy duty modules are laid across the gutter width, allowing easy removal of individual segments. The 9" opening allows manure to fall through yet tractors or skidsteer loaders can easily drive over.



Doing the job right is easy with proper planning. Keyed edges on the cross gutter are ready to accept Jamesway Modular Gutter Covers. The same notch supports light duty walkway covers between the scrape alleys.



You may choose to run the chain on top of the alley floor (shown) or in a recessed track. Jamesway floor tracks are made specifically to fit Dura-Chain. These super-duty tracks are dry fitted and locked in place before the floor is poured, ensuring laser-line precision.

A raised walkway with covered wheels stays clean and dry.



Visit our website for more information on these Jamesway products!

MANURE SYSTEMS:

- Alley Scrapers
- Vertical Electric Pumps
- Electric Prop Agitators
- Vertical PTO Pumps
- Piston Transfer Pumps
- Cross Gutter Systems
- Barn Cleaners

MANURE APPLICATION:

- Non-Steer Spreader Tanks
- Steerable Spreader Tanks
- Injection Systems
- Truck Mount Tankers
- Lagoon Pumps
- Prop Agitators
- Loading Pumps

FEEDING SYSTEMS:

- Silo Unloaders
- Belt Feeders
- Belt Conveyors
- Chain Conveyors
- Power Feed Carts
- Bedding Chopper

Jamesway Farm Equipment products are designed in conformance to ASAE Standards S354.4 "Safety for Farmstead Equipment" and S318.15 "Safety for Agricultural Equipment". Some photos in this brochure have safety shields removed or open to show additional detail on equipment features. Never operate equipment without safety shields in place. Jamesway continually updates and improves products and reserves the right to make changes in the design, specifications, and to add improvements to our products, without incurring an obligation on equipment purchased.

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