

# MA-12

## CROSS GUTTER MANURE AUGER



### SIMPLICITY, RELIABILITY, & FLEXIBILITY

- ✓ 20 - 200 Feet Per Drive
- ✓ Consistent Pump Feed Rate
- ✓ Homogeneous Flow For Less Agitation

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

**THE NEW STANDARD IN COW  
COMFORT & HERD HEALTH!**

**INVESTMENT FLEXIBILITY**  
*Ask Dealer for Financing Details*



# MA-12 Cross Gutter Manure Auger

## THE ARTERY AT THE HEART OF YOUR MANURE SYSTEM

### THE PATZ DESIGN:

The *MA-12 Cross Gutter Manure Auger* is the most versatile manure conveying system available. It offers two (2) drive unit options, and up to ten (10) auger lengths, allowing the MA-12 to fit into most manure-handling systems.

The MA-12 is ideally designed to function as a cross gutter conveyor for alley scraper drop zones. Lengths from 20 feet to 200 feet are possible with the installation of a single drive. For longer gutters, (2) auger drives may be interfaced in a tandem “pusher-puller” configuration to transfer manure up to 400 feet. The 12” diameter flighting is best suited to fit within standard 18” x 18” gutters for most efficient transfer of slurry-type manure.

### PATZ MA-12 FEATURES INCLUDE:

- ▶ (2) Drive unit types available
  - ▶ Dry cell
  - ▶ Wet cell
- ▶ 5 HP or 10 HP motor options
- ▶ Standard 12’ auger sections. Additional sections are available in 1’ increments
- ▶  $\frac{3}{8}$  in (9.5 mm) tapered, continuous coil steel flighting
- ▶ 2- $\frac{7}{16}$ ” (61.9 mm) diameter hardened steel coupling and end shafts
- ▶ 2-bolt connection points for simplistic and long-lasting, secure installation of auger sections
- ▶ Coupled hanger with seated UHMW polyethylene, symmetrical split sleeve bearings
- ▶ Optional drive shafts for installing sections over a reception pit. Available in 4’ - 14’ sections.
- ▶ Custom hanger bearing packages available, engineered to fit pre-existing gutters
- ▶ Versatile control package options fit for basic or advanced operation of the drive unit

## MA-12 CONTROL OPTIONS

Required Patz control panels allow for user-friendly operation of the *MA-12 Cross Gutter Manure Auger*. Customers may choose from basic or advanced control packages available in 1 Ph, 208-230V or 3 Ph, 460V power.

The Patz Basic Control Panel features simplistic Start, Stop, and E-Stop functions. It operates the drive motor at a standard 60 Hz, rotating the augers at a constant ~30 RPM. The internal auxiliary relay feature allows basic integration into pre-existing systems.



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## MA-12 CONTROL OPTIONS



The Patz Sentinel Plus is a fully functional and networkable control panel with an independent PLC and VFD, allowing seamless integration into your Patz manure handling system.

The Sentinel Plus, paired with the Sentinel Plus Display add-on<sup>1</sup>, offers all the features of the Basic Control Panel plus:

- Manual and Automatic operational modes
- LED status light for increased safety
- Adjustable speed, fault limit, and operation scheduling
- Reverse rotation feature for easy servicing and obstruction removal
- Input and Output auxiliary relays
- Reception pit level sensor shut-off compatible
- Connection with (1) other MA-12 Cross Gutter Manure Auger and/or up to (4) Patz IntelliCable® or IntelliChain® Alley Scrapers via the Sentinel Gateway.

The optional Sentinel Gateway panel allows networking between MA-12 Cross Gutter Manure Augers and Patz Alley Scrapers equipped with a Sentinel or Sentinel Lite panel. Other features include:

- Remote email/text notifications from connected control panels
- Control of any connected machine from any display<sup>1</sup>
- Remote monitoring through a VPN
- Handshake programming between all networked machines

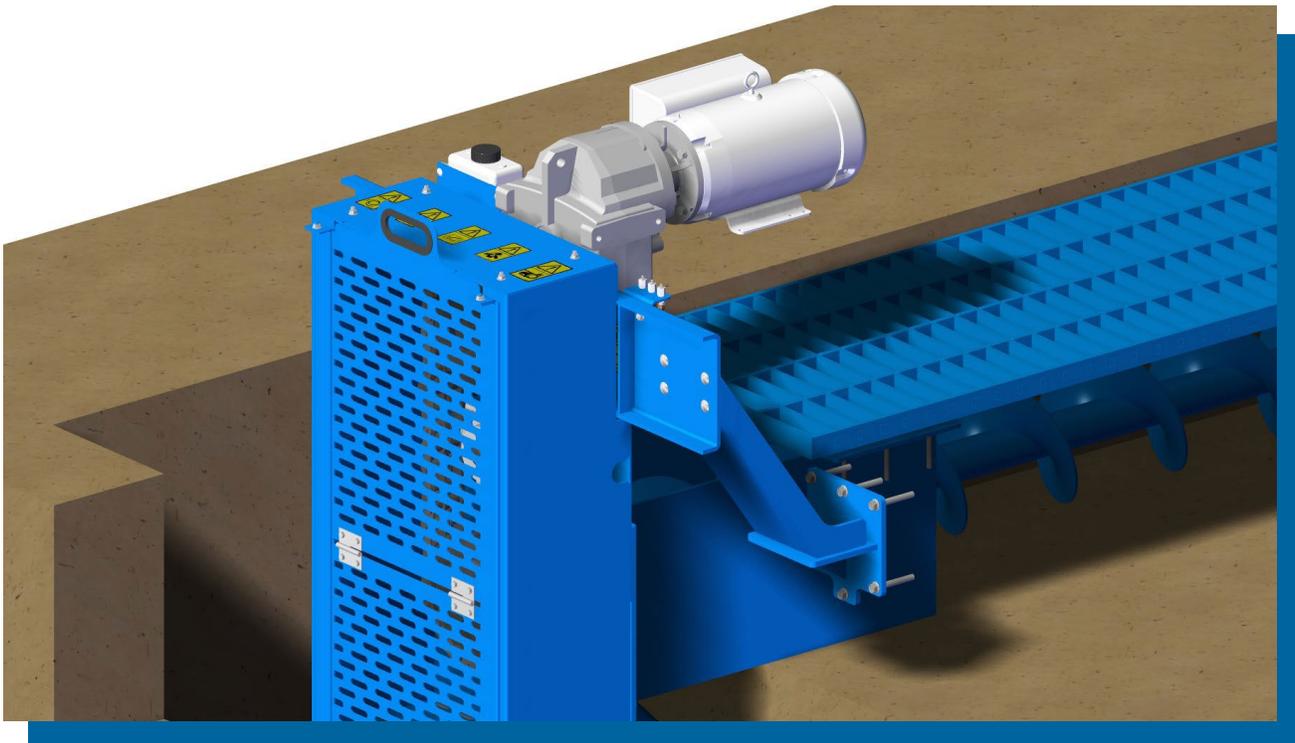
<sup>1</sup>Sentinel Plus Display add-on required when used as a standalone control panel, or a minimum of (1) control panel must have a connected Sentinel Plus Display or integrated screen when networked through the Sentinel Gateway.

# MA-12 Cross Gutter Manure Auger

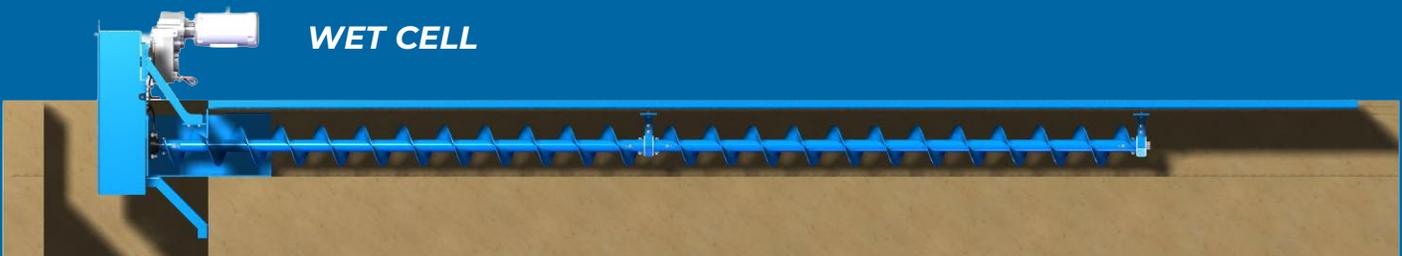
## WET CELL SPECIFICATIONS

### FOR RECEPTION PIT INSTALLATIONS:

- ▶ 5 HP (up to 120 feet) with 60.44:1 gearbox
- ▶ 10 HP (up to 200 feet) with 58.22:1 gearbox
- ▶ 1:1 dual-chain drive elevates gearbox and motor above pit reducing manure exposure
- ▶ Heavy duty, expanded drive mount for secure attachment to pit side wall



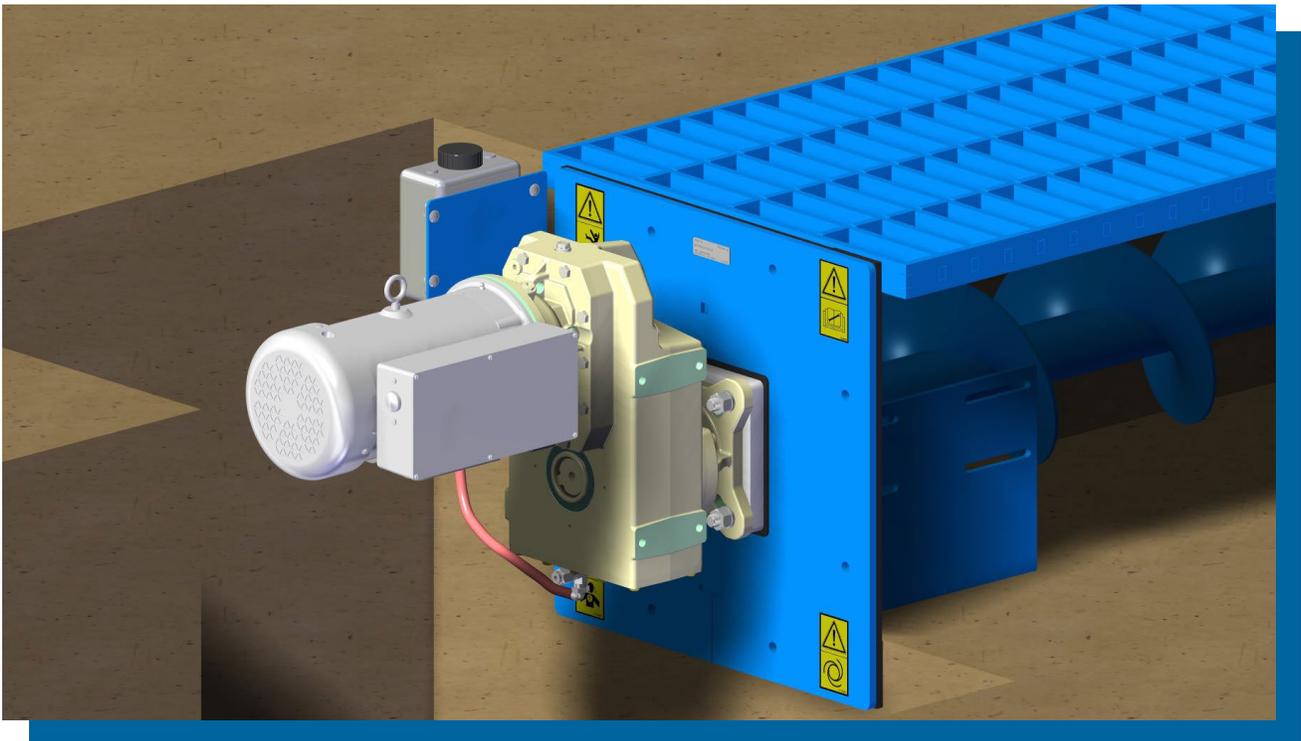
*(GUTTER WALL REMOVED FOR ILLUSTRATION PURPOSES ONLY)*



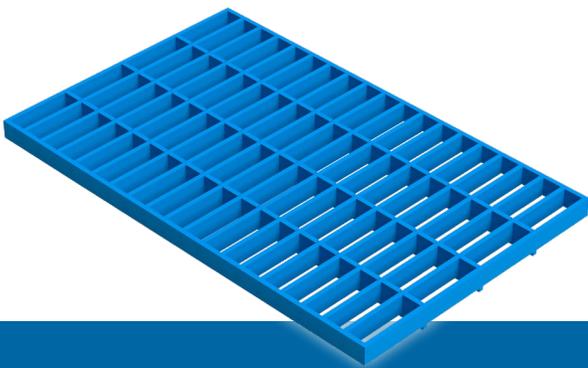
# MA-12 Cross Gutter Manure Auger DRY CELL SPECIFICATIONS

## FOR CHANNEL-END APPLICATIONS:

- ▶ 5 HP (up to 120 feet) with 65.8:1 direct-drive gearbox
- ▶ 10 HP (up to 200 feet) with 63:1 direct-drive gearbox
- ▶ Standard drive mount for securing to gutter dry cell wall



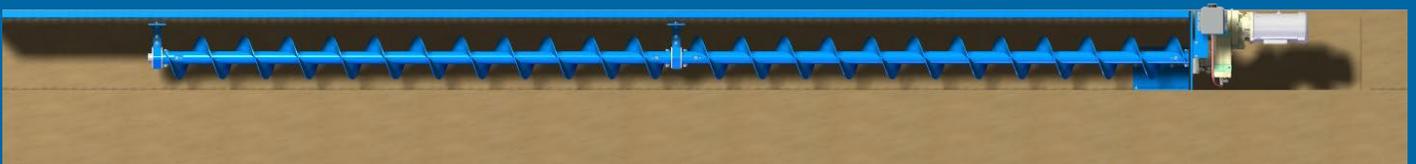
(GUTTER WALL REMOVED FOR ILLUSTRATION PURPOSES ONLY)



## DON'T FORGET SAFETY!

*Protect your farm family, employees, livestock, and equipment with required cross gutter grates!*

## DRY CELL







**MA-12 CROSS GUTTER MANURE AUGER - LAYOUT PLANNER**

A large grid of small grey dots is positioned below the title. The grid consists of 25 columns and 30 rows of dots, providing a space for users to plan the layout of the manure auger. The dots are evenly spaced and cover most of the page's width and height.



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