

# **AIR**MATIC®

**WE'LL HANDLE IT.**



**WORKMASTER**  
WE FIND A WAY — OR MAKE ONE!

## **BULK TRAILER TRAP OPENERS**

**AIR**MATIC

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[airmatic.com](http://airmatic.com)



## STILL OPENING TRAILER TRAPS BY HAND?

**Fast, Safe and Economical Unloading of Bulk Trailers** continues to be a problem at most unloading sites. One of the biggest contributors to this problem is the often time consuming and difficult manual job of opening and closing Trailer Traps. Unloading speed, load compaction, weather conditions, age, abuse, or corroded Traps can combine to prevent gate mechanisms from operating smoothly.

Regardless of cause, the costs associated with the problem are significant. Delays in emptying the trailers means slow turnaround, increased costs, and interrupted production schedules. Even more importantly, the chance of worker injury is high since at many unloading sites, repetitive stress injuries to worker's shoulders and arms caused by hand-cranking traps is a common occurrence.



**WORKMASTER® Bulk Trailer Trap Openers** are designed to eliminate the safety and productivity problems associated with the dangerous, dirty, and slow job of opening bulk trailers.



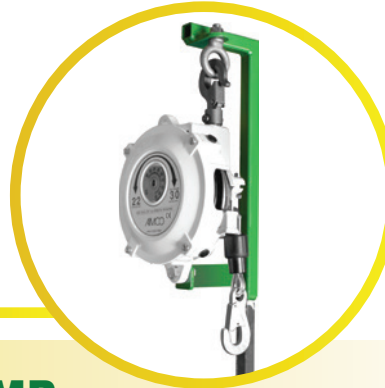
***“Eliminates Injury and Fatigue, Optimizes Speed and Efficiency!”***

### Features

- Mobile & Stationary Models available
- Dual Torque Range  
TR1: 0 to 150 ft-lbs  
TR2: 0 to 250 ft-lbs  
(User Adjustable)
- Height Adjustable
- Over 5-ft of Reach
- Step & Lock Foot Break
- Electric/Hydraulic Power Unit (120V/1PH/60Hz)
- Multiple Drive Fittings to Adapt to Most Trailers

## THE IDEAL CHOICE FOR:

- Busy Unloading Sites which require consistently rapid Opening/Closing of Traps - **ALL DAY**
- Sites which receive Trailers with stubborn Traps
- Unloading Sites with multiple pits
- Unloading Sites with a less agile workforce

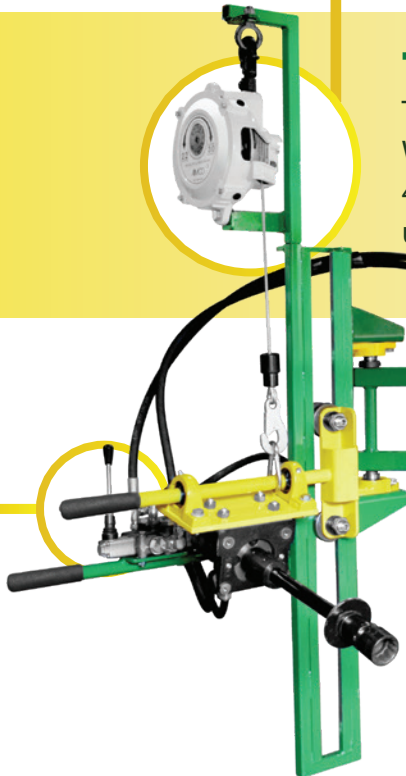


**DRIVE ARM BALANCER**  
Simply and easily pull the Drive Arm into position, the Arm remains suspended at working height with no upward pressure on the Operator's hand while opening the Trap.

### TO-E02-MP

The Electric (120V/1PH/60Hz) over Hydraulic powered WORKMASTER<sup>®</sup> Wellman **TO-E02-MP** Mobile Position Opener features a motor-mounted 4-wheel base with 3" wide wheels to easily roll over any grating at the unloading pit. This model is ideal for Unloading Sites that require maneuverability along the entire unloading zone.

*The TO-E02-MP Can Easily be Shared at Multiple Pits!*



### STEERING ARM

Provides the ability to easily maneuver the **TO-E02-MP** around your Unloading Site with a 4ft turn radius. Easy to attach/detach when necessary.



**LOW**  
150 FT-LBS

**HIGH**  
250 FT-LBS

### DUAL TORQUE RANGE

Based on the Trailer being unloaded, the Trap will require either one of two torque options: **LOW** or **HIGH** Torque Range. Adjusting the Torque Valve Handle into the proper position ensures you will always have enough torque to open—but not damage—your Trap.

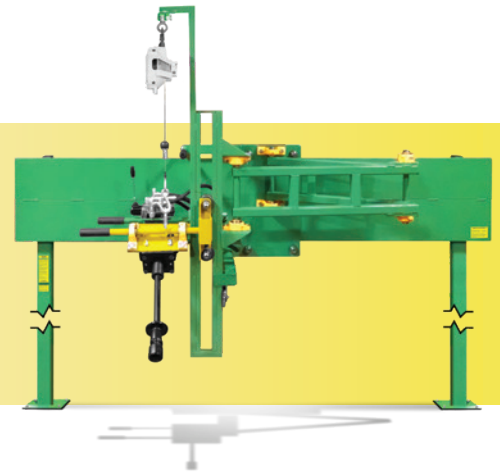


## TO-B250

The TO-B250 Bulk Trailer Trap Opener is a hand-held, battery-powered tool that presents a practical solution to the safety, productivity and ROI issues associated with manual opening of trailer traps. The Opener's design also eliminates the problem of using a manual crank handle to open trailers over stacking conveyors.

## TO-E02-TK

The Electric (120V/1PH/60Hz) over Hydraulic powered WORKMASTER® **TO-E02-TK** Track Mounted Opener is permanently installed at the unloading site with an external motor unit. This model can be post mounted or wall mounted to leave site walkway clear and accessible.



## TO-E02-FP

The Electric (120V/1PH/60Hz) over Hydraulic powered WORKMASTER® Wellman **TO-E02-FP** Fixed Position Opener features a remote mounted motor unit so that it can be permanently installed within 20' of the unloading pit for sites with tight working quarters or where a clear walkway is needed behind the Opener. The travel arm extends 5' Left or Right of the mount post.

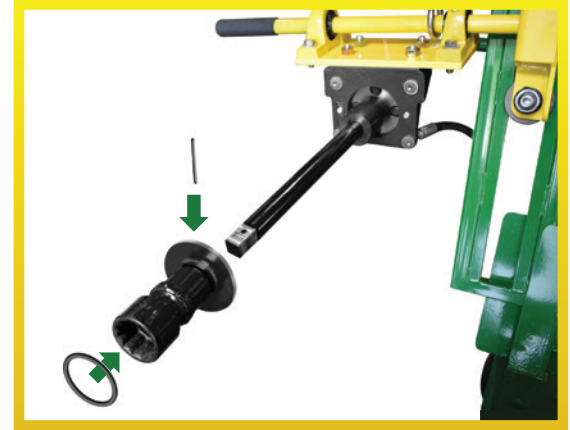
## TO-E02-NA

The Electric (120V/1PH/60Hz) over Hydraulic powered WORKMASTER® Wellman **TO-E02-NA** Narrow Aisle Opener is powered by an external motor unit, and is designed for sites that are particularly space confined, yet still require maneuverability along the unloading zone.



## THREE DRIVE FITTINGS INCLUDED

The large majority of Trailer Trap Crank Shafts fall into three general categories: (1) the standard 1-1/2" socket style crank shaft; (2) the 1" slotted-pin style crank shaft; (3) the 1" square bit style crank shaft found on CORNHUSKER style trailers. WORKMASTER<sup>®</sup> Trap Openers come complete with a Crank Shaft Drive Fitting for each of these three trailer crank shaft styles.



### STANDARD TRAP



**1-1/2" SOCKET  
STANDARD DRIVE FITTING**

### PIN STYLE TRAP



**1-1/2" SOCKET DRIVE FITTING  
w/ 1" SLOTTED PIN ADAPTER**

### CORNHUSKER STYLE TRAP



**1-1/2" SOCKET DRIVE FITTING  
w/ 1" SQ DR ADAPTER**



## I. CUSTOMER INFORMATION

Company: \_\_\_\_\_ Date: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Ph: \_\_\_\_\_  
 Title: \_\_\_\_\_ Ext: \_\_\_\_\_  
 Address: \_\_\_\_\_ E-m: \_\_\_\_\_  
 City, St, Zip: \_\_\_\_\_ Fax: \_\_\_\_\_

Determining the most appropriate **Trailer Trap Opener** for an unloading site requires **Complete and Accurate Data**. We want our Trailer Trap Opener to be one of our Customer's **Best Buys – Ever!**

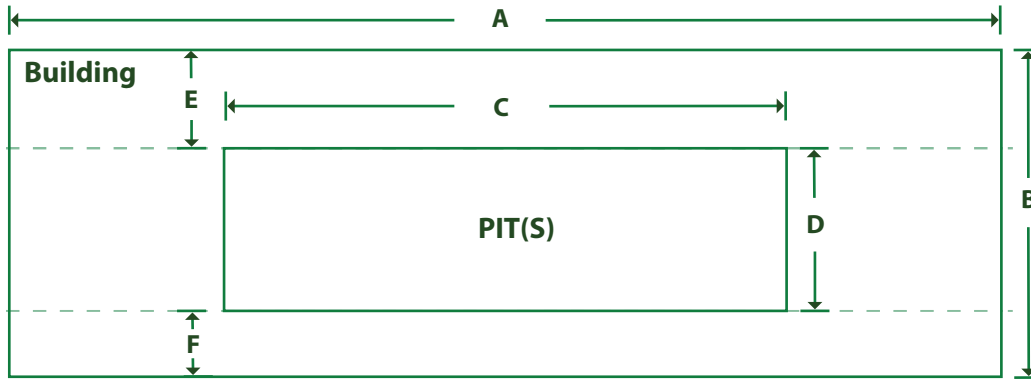
## II. PRODUCT and TRAILER

1. What Product(s) is Unloaded: \_\_\_\_\_
2. How Many Receiving Pits? \_\_\_\_\_
3. Typical Hours of Operation: \_\_\_\_\_
4. How Many Trailers Unloaded: DAILY \_\_\_\_\_; WEEKLY \_\_\_\_\_; MONTHLY \_\_\_\_\_  
 \_\_\_\_\_ or \_\_\_\_\_  
 How Many Bushels Unloaded: DAILY \_\_\_\_\_; WEEKLY \_\_\_\_\_; MONTHLY \_\_\_\_\_
5. Receiving Schedule:  Year Round  Seasonal - **Begins** (Month): \_\_\_\_\_ **Ends**: \_\_\_\_\_
6. Which Hopper Trailer Configuration is Most Common at Site?  
 1 Hopper per Trailer  2 Hoppers Per Trailer  Other: \_\_\_\_\_
7. Do Trailers Primarily use:  Rack & Pinion Type Traps  Strap Type Traps?
8. How are Traps currently opened?:  
 Hand-Crank  Ratchet Wrench  Torque Wrench  Power Tool  
 **NO**, if so: Explain opening method: \_\_\_\_\_
9. Who Opens Traps?  Plant Personnel  Driver  Other: \_\_\_\_\_
10. Describe the Most Common Problems or Difficulties Opening Trailer Traps:  
 Jammed - Product  Speed of Opening  Site Related Difficulties  
 Jammed - Poor Trap Condition  Other: \_\_\_\_\_
11. Do Weather Conditions or Temperature affect opening the Traps?  
 **YES** Heat: \_\_\_\_\_°F Cold: \_\_\_\_\_°F  **NO**, not affected by weather  
 Humidity Related  Rain Related  Ice/Snow Related
12. Trailers Discharge Into/Onto:  
 Bin or Hopper  Pneumatic Conveyor  Truck  
 Drag Conveyor  Belt Conveyor  Stacker to Stockpile  
 Screw Conveyor  Vibrating Conveyor  Other: \_\_\_\_\_



## V. SITE: DIAGRAM - Unloading Pit #1

1. Based on the DIAGRAM below, what are dimensions (please specify inches ["] or feet [']) of:



- A: \_\_\_\_\_ ;  
 B: \_\_\_\_\_ ;  
 C: \_\_\_\_\_ ;  
 D: \_\_\_\_\_ ;  
 E: \_\_\_\_\_ ; ( To nearest wall/obstruction )  
 F: \_\_\_\_\_ ; ( To nearest wall/obstruction )

2. Trailer Traffic Direction

3. Please List Any Noteworthy Obstructions that Compromise the Receiving Pit Walkway(s)

Ex: Beams, Foundation, Dust Collection, Electrical/Controls, etc. :

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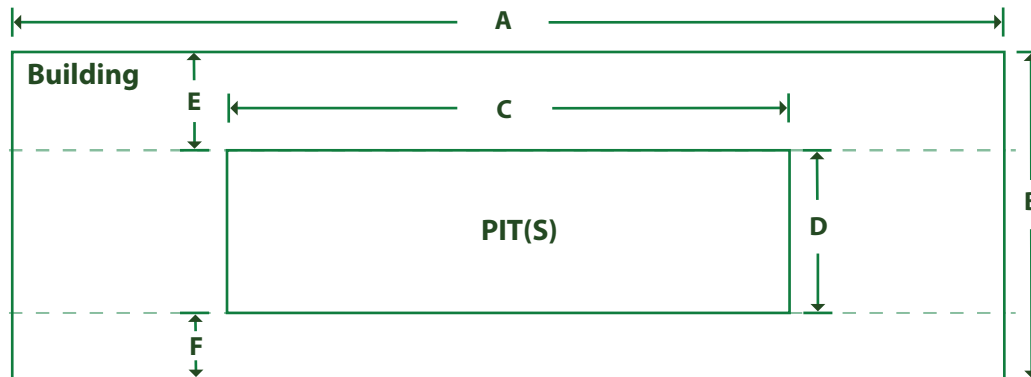


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(If applicable, please provide pictures)

## V. SITE: DIAGRAM - Unloading Pit #2

4. Based on the DIAGRAM below, what are dimensions (please specify inches ["] or feet [']) of:



- A: \_\_\_\_\_ ;  
 B: \_\_\_\_\_ ;  
 C: \_\_\_\_\_ ;  
 D: \_\_\_\_\_ ;  
 E: \_\_\_\_\_ ; ( To nearest wall/obstruction )  
 F: \_\_\_\_\_ ; ( To nearest wall/obstruction )

5. Trailer Traffic Direction

6. Please List Any Noteworthy Obstructions that Compromise the Receiving Pit Walkway(s)

Ex: Beams, Foundation, Dust Collection, Electrical/Controls, etc. :

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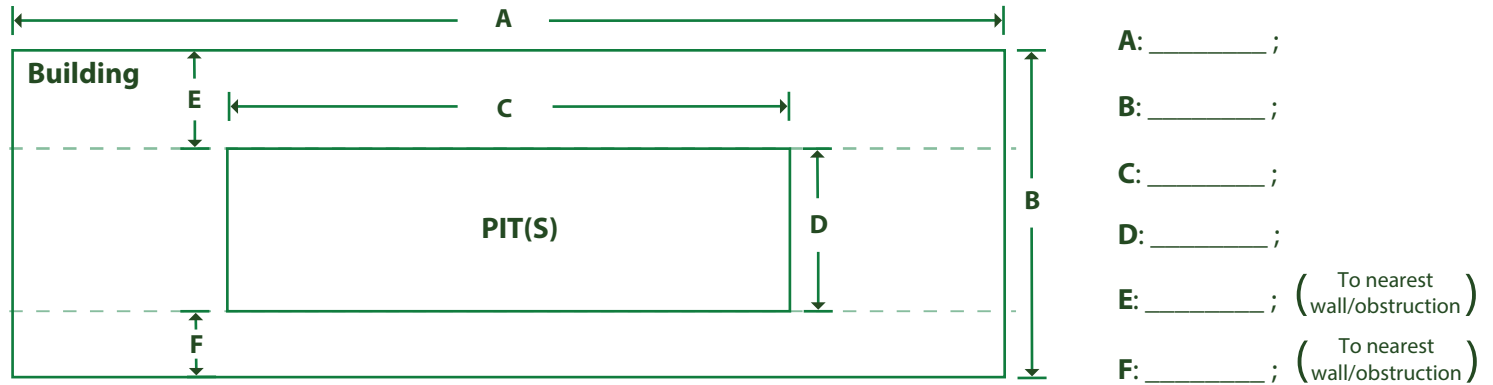


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(If applicable, please provide pictures)

**V. SITE: DIAGRAM - Unloading Pit #3**

7. Based on the DIAGRAM below, what are dimensions (please specify inches ["] or feet [']) of:



8. Trailer Traffic Direction

9. Please List Any Noteworthy Obstructions that Compromise the Receiving Pit Walkway(s)

Ex: Beams, Foundation, Dust Collection, Electrical/Controls, etc. :

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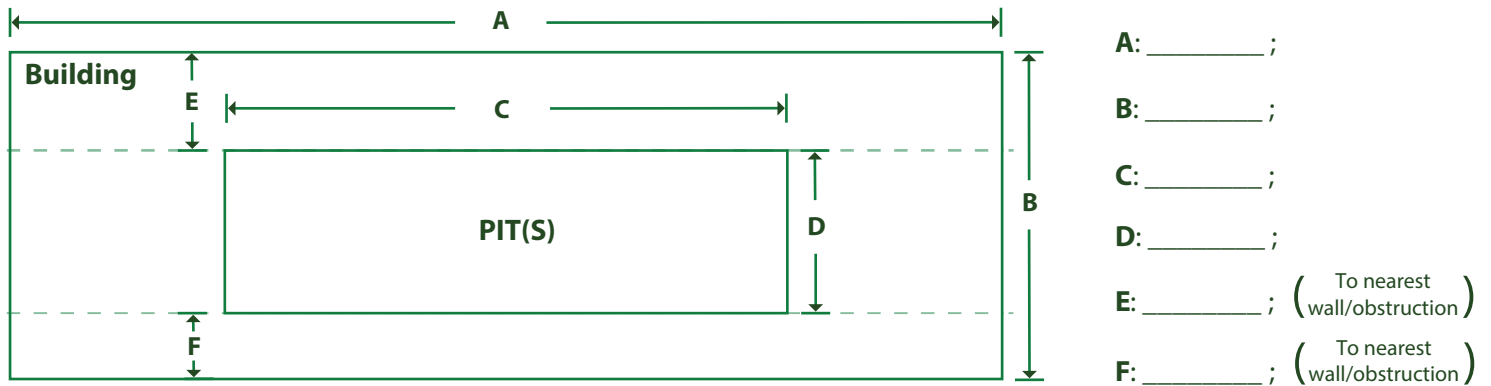


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(If applicable, please provide pictures)

**V. SITE: DIAGRAM - Unloading Pit #4**

10. Based on the DIAGRAM below, what are dimensions (please specify inches ["] or feet [']) of:



11. Trailer Traffic Direction

12. Please List Any Noteworthy Obstructions that Compromise the Receiving Pit Walkway(s)

Ex: Beams, Foundation, Dust Collection, Electrical/Controls, etc. :

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(If applicable, please provide pictures)



WHY I BELIEVE IN ... AIRMATIC

# Workmaster Wellman Bulk Trailer Hopper Opener

MOBILE UNIT MAKES OPENING TRAILER HOPPERS EASIER AND SAFER

The Workmaster® Wellman bulk trailer hopper openers were introduced in July 2017 to help eliminate safety and productivity problems with the dangerous, dirty, and slow job of unloading grain trailers.

Distributed by Airmatic Inc., Workmaster's bulk trailer hopper openers are ergonomically designed for maximum operator safety and to eliminate repetitive motion injuries caused by hand-pull tools.

According to Airmatic Sales Director Bob Braun (215.333.5600), "The Wellman trailer trap opener features efficient, explosion-proof electric over hydraulic power design, and the high and low torque design allows for opening traps in accordance with manufacturers' specifications. It also offers significant time savings during high-volume and peak load times."

Here is what some users say about the Workmaster Wellman bulk trailer hopper opener:

**Greg Oberle**  
Terminal Manager  
CHS Inc.  
Savage, MN

"We have owned a Workmaster Wellman bulk trailer hopper opener for about a year and a half. We have a mobile version, so we can move in and out of our receiving pits.

"We purchased this product because there is nothing like it on the market. There are some handheld models out there, but this unit is the real deal. It speeds up our unloading process, but it's more than that. Anyone who has their people opening truck hoppers, there's a risk for injury. This machine really minimizes the risk. Efficiency and injury risk minimization in one product — now that's a powerful combination.

"Also, the machine is very well built. It's quiet and easily maneuverable in

and out of the receiving area, so we can move it from pit to pit depending on

*Workmaster Wellman bulk trailer trap opener.*



what we're doing.

"There are just so many positives about it: It's well built, everything is rated for our classified area, and it has explosion-proof motors. John really did his homework."

**Trevor Keating**  
Safety Director  
Prairie Ag Partners  
Lake Preston, SD

"We got our Workmaster Wellman bulk trailer hopper in 2017 after I met the creator, John Wellman, at a trade show.

"One of the reasons we really like it is its portability — it's not a bolt-down machine that stays at the same receiving pit. We have multiple locations with more than one receiving pit, so we're able to share one machine amongst our elevators, depending on which location is busy at the time.

"It works really well. There have been only two or three trailers that it could not open, but that's because the traps were either neglected or damaged. Overall, we are very pleased.

Additionally, it's been maintenance free. All we do before each season is grease a few bearings and check the oil.

"We like the product because it offers both safety and efficiency. It causes less stress because you don't have an employee

on the end of a crank using his back and his arms. It also prevents employee fatigue. If we're running long hours, one employee can handle that spot all day. That makes dumping grain more efficient and lessens the chance of injury."

**Joe Gullickson**  
Operations Manager  
Walsh Grain Terminal  
Park River, ND

"We've had the Workmaster Wellman bulk trailer hopper opener for a little more than a year now. We decided to purchase the mobile model because it was the easiest to use, and it eliminated all the awkward bending. It takes the work out of unloading trailers, basically.

"The trailers we work with are just about as awkward as you can get — the angle, the height, everything. It's a grueling job, especially in cold and ice. This machine just makes it so much easier — it takes the work out of it.

"Our unit is very nice, and it performs really well. We haven't touched it as far as maintenance goes.

"What we like most about it is you don't really have to lift anything. It has a tensioner that kind of holds it up for you. Then, all you have to do is pull a lever. It has wheels, so we slide it back and forth. Also, it has several sockets for the ends of different trailers. That's a pretty nice touch."

*Anyone who has their people opening truck hoppers, there's a risk for injury. This machine really minimizes the risk. Efficiency and injury risk minimization in one product — now that's a powerful combination.*

*-Greg Oberle, CHS Inc.*

# AIRMATIC®

**WE'LL HANDLE IT.**

**AIRMATIC** founded in 1944, is a woman-owned Industrial Distributor, with installation and maintenance capabilities, offering equipment, machinery, and shop supplies to the Industrial, Construction, Utility, Government, and Commercial Markets. Our products and services are sold through three business units:

The **MATERIALS MANAGEMENT GROUP** provides products and services to industries that convey, store, transport, and process powders and bulk solids from aggregates, cement, and chemicals to foods, grains, metals, power generation, and waste water treatment applications;

The **SERVICE GROUP** provides fabrication, installation, and maintenance services to improve bulk materials handling efficiency; mechanical clean-out services for silos and hoppers to eliminate material flow problems; and shop repair/rebuilding and modifications services of products sold by the Company.

The **TOOL GROUP** provides power tools, personal protective equipment, materials-handling equipment, shop equipment and MRO supplies used for production, fabrication, assembly, metal removal, maintenance, and storage in manufacturing, construction, utility, and commercial applications.

**Our Customers tell us that by choosing AIRMATIC to solve their problems, they gain increased productivity, decreased costs, and a safer, cleaner work environment.**

## **WORKMASTER**

**WE FIND A WAY — OR MAKE ONE!**

**WORKMASTER** specializes in manufacturing labor-saving bulk material handling tools designed to facilitate the safe and efficient unloading, transport, storage, and processing of bulk solids. Catering to the needs of the agriculture, manufacturing, mining, and concrete construction sectors, **WORKMASTER** provides a distinctive line of bulk solids handling equipment. Our innovative products empower plant workers to safely accomplish tasks effortlessly and swiftly such as opening and unloading hopper bottom railcars and dry bulk trailers, ensuring the smooth flow of material from bins and silos, and improving the consolidation and finishing of freshly poured concrete through form, table, and surface vibration techniques. Our products play a pivotal role in enhancing safety and efficiency for our customers, while also extending the lifespan of critical production equipment. By reducing operating and maintenance costs, our tools prove invaluable for tackling some of the industry's most hazardous, challenging, and demanding tasks.

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