



CASE STUDY



The Problem

A soybean meal storage dome in Brazil with zero true reclaim, zero FIFO, and long loadout times.

THEIR COMPANY

This customer has large oilseed processing and storage projects all over the world. They are repeat customers of Laidig's and use hundreds of our reclaimers across their various sites and properties.

At this Brazilian site, the company reclaims very large volumes of soybean meal in domes for truck loadout.

OUR COMPANY

Laidig Systems, Inc. designs, engineers, fabricates, installs, and services custom storage and reclaim systems for silos, domes, and open piles.

Laidig specializes in aggressive, screw-type bottom reclaimers. The screw rotates about its own axis, pulling material toward the center of the silo floor. At the same time, the screw slowly advances, sweeping around the entire silo floor. Material is augered to the center of the silo floor, then flows down through a center chute below the floor and into a discharge auger or conveyor for



The Solution

A Laidig Model 1033 X-Traktor aggressive bottom silo reclaim system to handle meal, shorten loadout times, and increase safety for workers.

THE FACTS

- **MATERIAL:**
Soybean Meal
- **STORAGE:**
Dome, 80' W x 105' H (24M x 32M)
- **CONSTRUCTION:**
Retrofitted storage dome
- **Flip over page for more detailed results and takeaways » » »**

transfer out of the silo and to the next step in the material handling process.

Our solutions reduce and eliminate silo bridging and rat-holing, help create mass flow, decrease the potential for product infestation, and maintain a first-in, first-out (FIFO) material distribution.

WHAT THEY WERE UP AGAINST

The soybean meal inside the dome had no reclaim, so it had no first-in, first-out (FIFO) material distribution. Because of the lack of FIFO, the meal regularly became very compacted, creating masses and blockages both inside the dome and upon loadout. Gravity was not enough to get it out, and time was money.

Because of the blockages, employees had to use payloaders and spent valuable time manually cleaning out the dome, which was not only bad for the material, but created serious safety issues.

THEIR NEW SUCCESS STORY

- » 4x faster truck loadout
 - » 8 min. per 18-wheeler!
- » No more unsafe manual cleanout
- » Fluffy, easy-to-handle soybean meal
- » Totally automated reclaim and loadout



DEDICATED SERVICE

Laidig has a dedicated team of support and service in South America, based in Brazil. They embedded themselves on-site for this project to see it through.



CUSTOMIZED FOR YOU

Every single one of our reclaimers is custom-designed to the exact specifications and details of your storage structure, material, and individual reclaim goals.



NO LANGUAGE BARRIERS

Our South American team was able to work seamlessly alongside this company's employees, as they are fluent in Portuguese, Spanish, and English.



BUILT TO LAST

Our equipment is built all under one roof by a team of seasoned machinists and manufacturing professionals using the highest quality materials.



THE BOTTOM LINE

This company needed SAFE, reliable, dependable equipment to increase its storage and loadout efficiency. Because they are in inland Brazil, slow truck loadout times can create serious delays that threaten the company's ability to operate at the necessary speed. Now, their storage and reclaim is faster, automatic, and so much safer for workers.

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