



Celebrating 10 Years of the One and Only DirectDrive™ System | 2012-2022

## **DIRECTDRIVE™ SYSTEM**

THE ORIGINAL LOW-TENSION SPIRAL CONVEYOR SOLUTION

## A HIGHER LEVEL OF SPIRAL TECHNOLOGY

If your facility has spiral conveyors, you understand the upsides — and the downsides — of these mission-critical systems.

To solve the problems of traditional friction-driven spirals, Intralox invented groundbreaking spiral technology that has become the industry's gold standard.

**Welcome to the DirectDrive™ System.**

## THE ONE AND ONLY DIRECTDRIVE SYSTEM

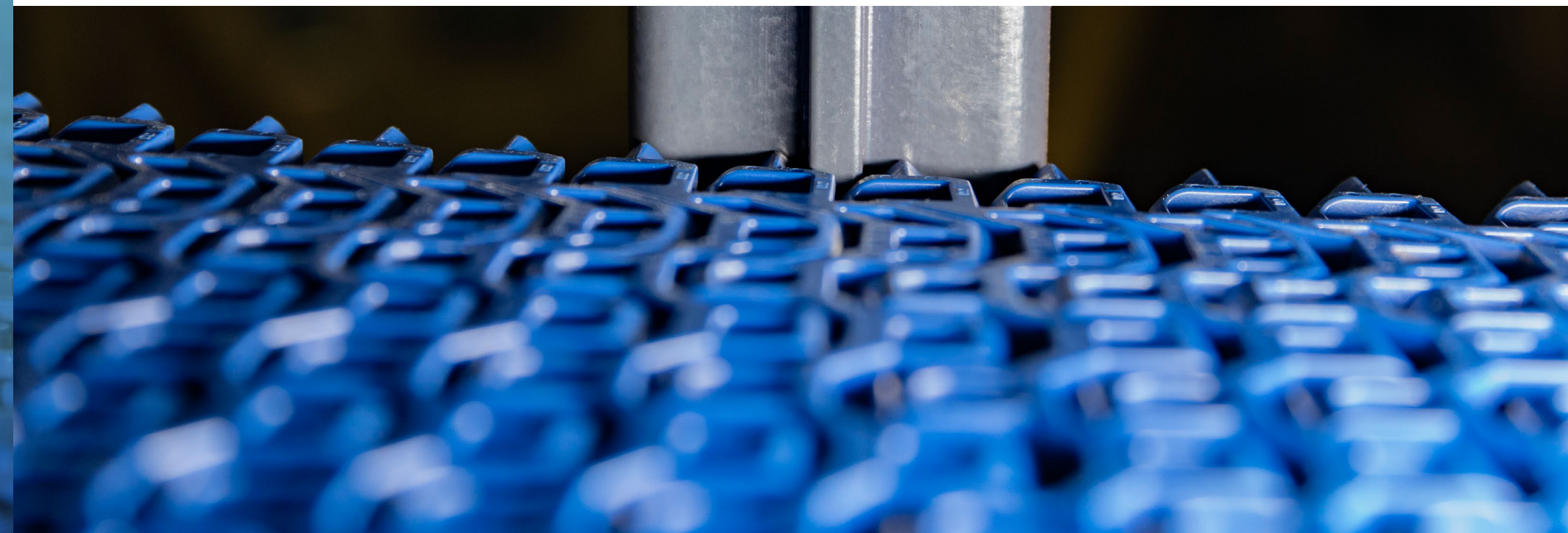
DirectDrive technology has revolutionized spiral conveyance by eliminating overdrive, creating reliably smooth operation that performs without interruption.

**Today, over a thousand DirectDrive System spirals are installed in processing plants around the world,** delivering improved production, reduced maintenance, and simplified sanitation.

The Intralox® DirectDrive System with modular plastic belting (MPB) yields the **lowest belt tension of any spiral.**

### HOW DOES IT WORK?

The DirectDrive System engages the belt edge directly with the drum, simplifying operation. Intralox's patented and revolutionary **load reduction zone** prolongs the life of the belt and its components by significantly reducing tension and operating with zero slip.



## THE ONE AND ONLY DIRECTDRIVE SYSTEM

Others claim to offer similar technology. But when your facility needs a spiral solution, trust the original, low-tension spiral conveyor from the most experienced partner: **the Intralox DirectDrive System.**

“The DirectDrive System is without a doubt superior technology to metal belting. It has helped optimize our line efficiency, and we do not have to babysit our spiral anymore!”

Kevin Harmer | Paragon Engineering Manager



Scan QR code or [click here](#) to read the case study.

Intralox's DirectDrive System can be applied to structure-supported or stacker systems.



## ELEVATE THE PERFORMANCE OF YOUR SPIRALS WITH INTRALOX MODULAR PLASTIC BELTING

With superior belting and revolutionary drive operation, the DirectDrive System elevates the performance of spiral technology in food processing plants.

With Intralox MPB, you don't have to face the challenges linked to metal conveyor belts such as hot work, black speck, catchpoints, and product adhesion.

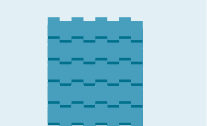
### The advantages of Intralox MPB include:



All-plastic construction eliminates the need for lubrication and reduces the chance of contamination



Smooth conveying surface allows for easy product release



Modular construction enables quick and easy maintenance with no welding required



Plastic solutions are lightweight, easy to change, and last up to seven times longer



Smooth-molded, hygienic design makes cleaning easier and reduces harborage



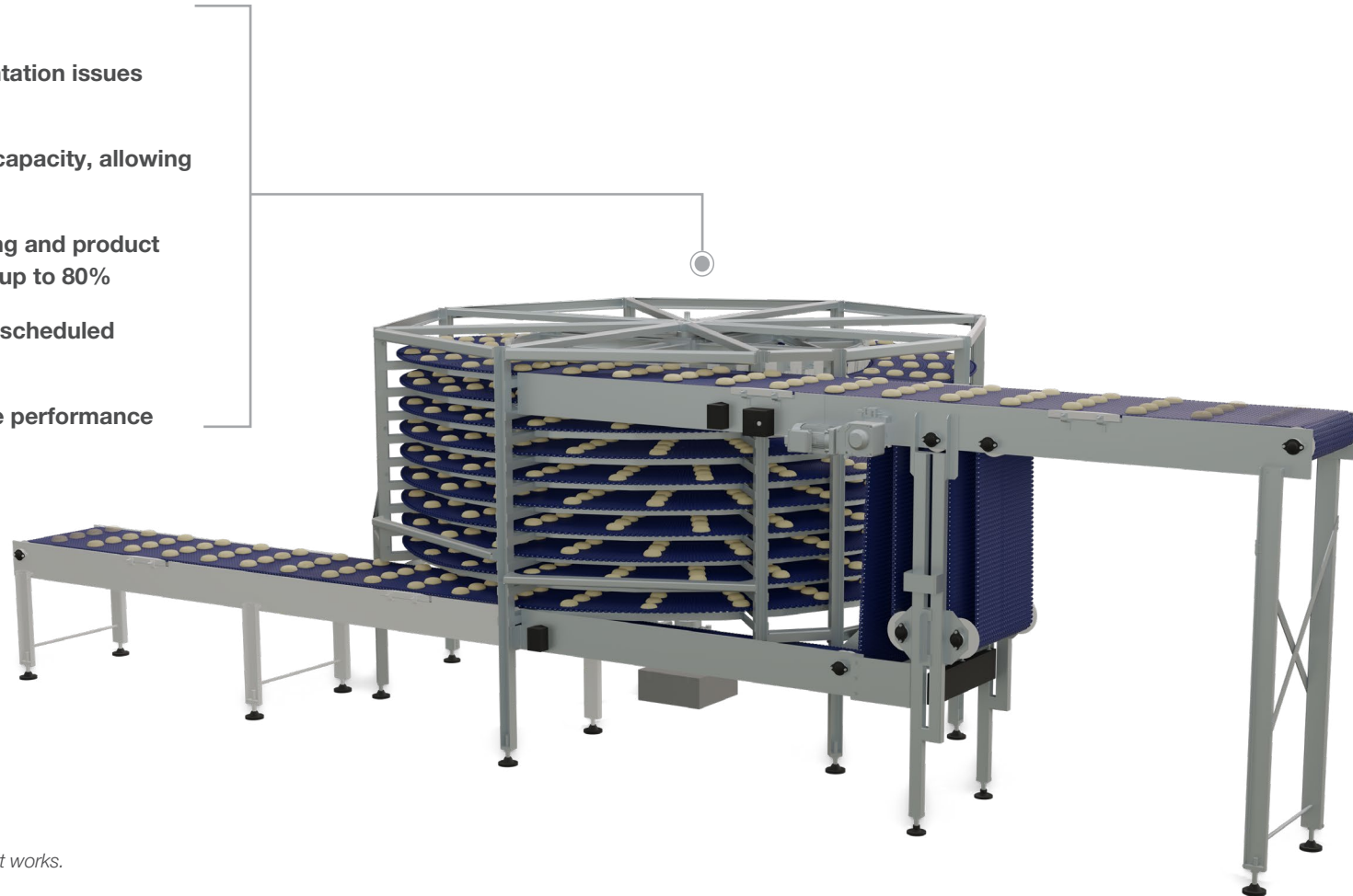
## DIRECTDRIVE STRUCTURE-SUPPORTED SPIRALS

POSITIVE ENGAGEMENT BETWEEN THE SPIRAL BELT AND DRUM ELIMINATES FRICTION AND OVERDRIVE

By drastically reducing belt tension and total system stress, DirectDrive Structure-Supported spirals ensure better system performance, reduced downtime, and substantially longer belt life.

### Key Benefits

- Eliminates product orientation issues related to overdrive
- Increases product load capacity, allowing maximum throughput
- Reduces product marking and product loss due to adhesion by up to 80%
- Minimizes expensive, unscheduled production downtime
- Delivers smooth, reliable performance



Scan QR code or [click here](#) to see how it works.

## DIRECTDRIVE STACKER SPIRALS

THE BENEFITS OF THE DIRECTDRIVE SYSTEM ON A SPACE-SAVING STACKER BELT

For spiral applications like freezers and proofers—where controlling airflow is critical—the Intralox DirectDrive Stacker is an ideal hygienic space-saving solution for low-profile products.

The DirectDrive Stacker's belt supports its own weight on the inner and outer edges, removing the need for a traditional carryway. This allows for twice the amount of belting—within the same vertical space—as a structure-supported spiral conveyor.

### Key Benefits

- Hygienic design cleans easily, efficiently, and thoroughly
- Optimal freezing efficiency employing horizontal airflow
- More tiers in a smaller vertical space
- Simplified maintenance and sanitation procedures
- Lower total cost of ownership compared to traditional self-stackers



99%

LESS CARRYWAY REQUIRED THAN A STRUCTURE-SUPPORTED SPIRAL CONVEYOR



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To ask questions or request a quote about Intralox's  
DirectDrive System, contact Customer Service at  
**[www.intralox.com/support](http://www.intralox.com/support)**.

Country- and industry-specific toll-free phone numbers available.

