



**SARMAŞIK**  
MAKİNA SANAYİİ VE TİCARET A.Ş.

Spiral Cooling and Freezing Systems

# Sarmaşık Cooling Systems with Intralox DirectDrive™ Technology



COOLING  
FREEZE  
PROCESSES  
ELEVATED  
LOWER

## The Direct Drive System

The patented Direct Drive System advances spiral conveyance by eliminating the most common issues related to product migration, belt tensioning and sanitation.

This new technology is ideal for applications where product orientation, belt life and grease/oil buildup are concerns.

Direct Drive simplifies spiral operation compared with conventional systems – overdrive and associated controls are no longer needed, while surging is eliminated.

- **Elimination of product orientation issues:**

Direct Drive minimizes jams, product migration and complications that affect downstream processes.

- **Greater carrying capacity:**

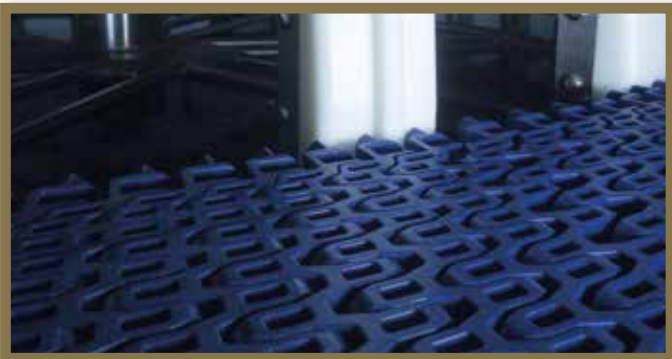
Due to unique design, Direct Drive technology can carry heavier product loads.

- **Reduced cleaning costs:**

Accumulated food residue on the drum does not impact system performance or efficiency. Sanitation manpower and costs are reduced.

- **Simplified Controls:**

Direct Drive eliminates the need for complicated operating controls and primary motors. Delays and lags during startup are eliminated, as is the need for friction inserts.



- **How Direct Drive Technology works:**

The Direct Drive System eliminates overdrive, engaging the belt edge directly with the drum. The belt is therefore driven without drum-belt edge friction and operates with zero slip.



## Drum Drive System

Robust Drive System; Easy Maintenance



# Side Drive Technology

LING  
ZING  
DFING  
ATING  
RATING

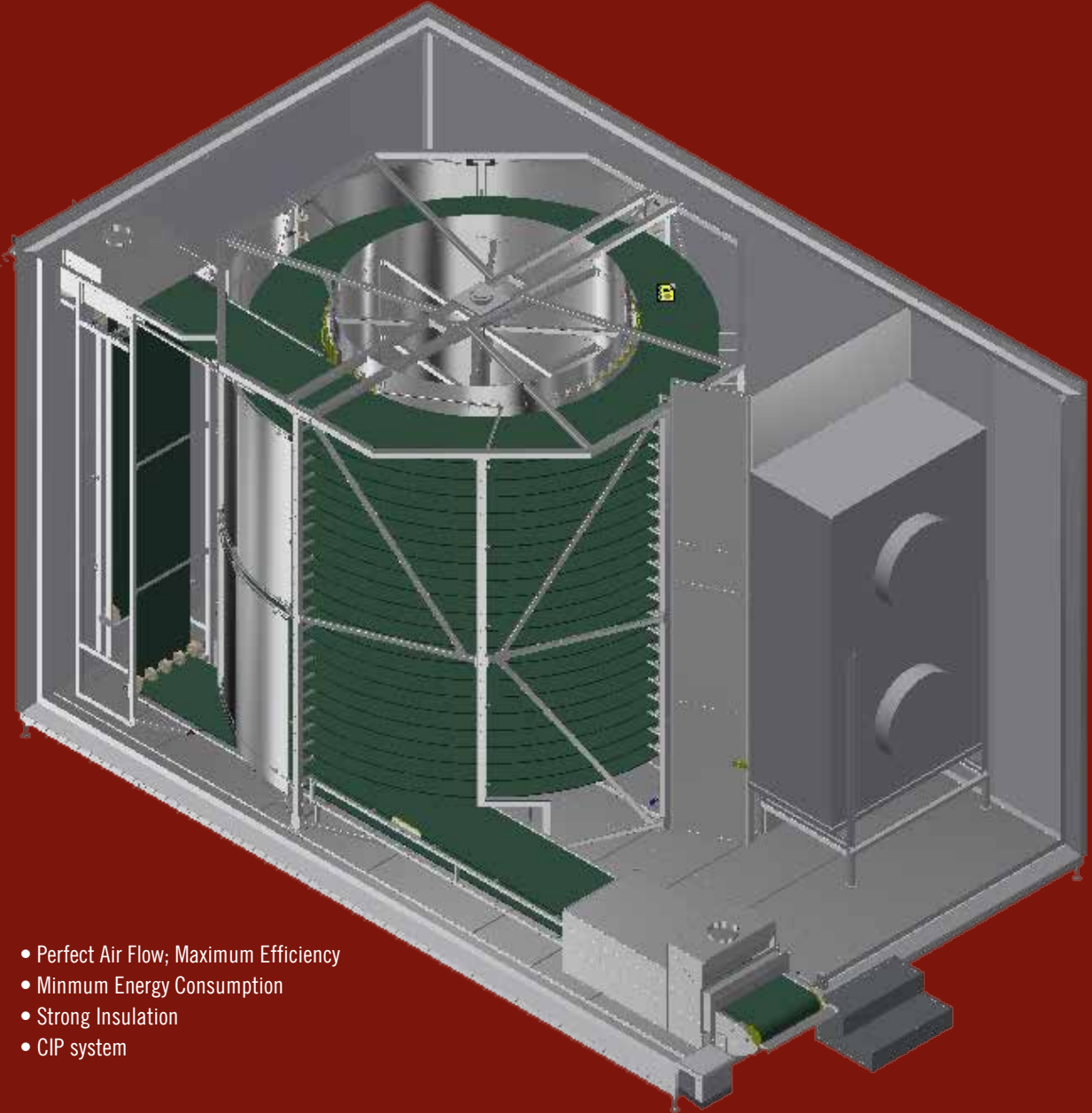


## The Side Drive System

- Where Direct Drive system is not applicable Side Drive system is a perfect alternative.
- Improves product quality and throughput by eliminating transfers.
- Allows flexible layout configuration where multiple incline, decline, radius and straight conveyors are combined into a single, seamless run.
- Easy Maintenance & Cleaning.
- Belt-edge driven technology ideal for racetracks and long-run conveyors.



# Freezing System with Intralox DirectDrive™ Technology



- Perfect Air Flow; Maximum Efficiency
- Minimum Energy Consumption
- Strong Insulation
- CIP system



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