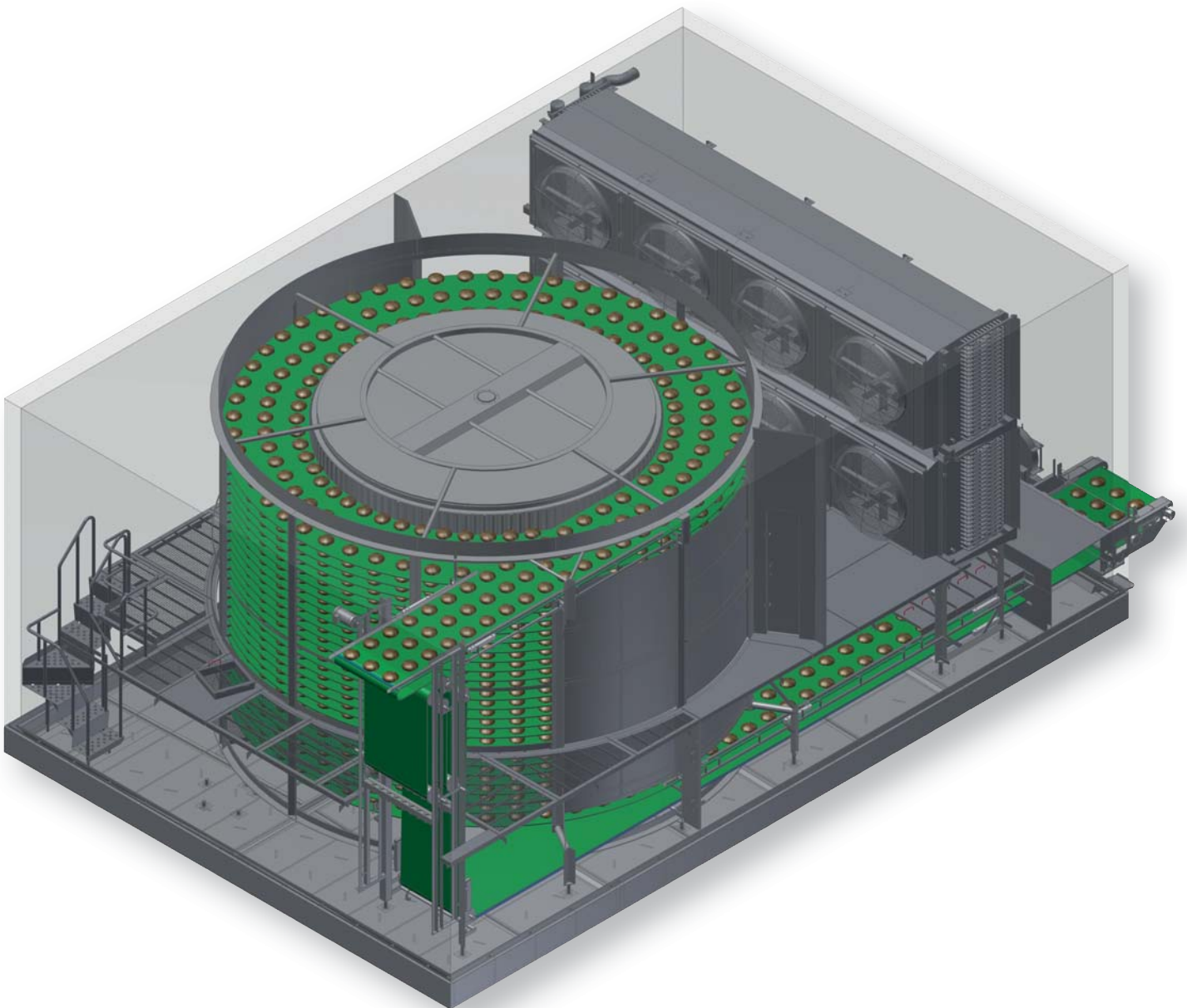
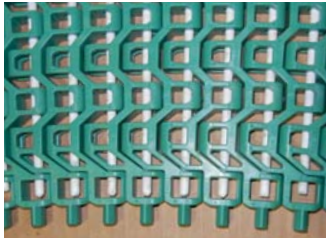


## New GEA spiral chillers and freezers: no-tension system Direct Drive System inside

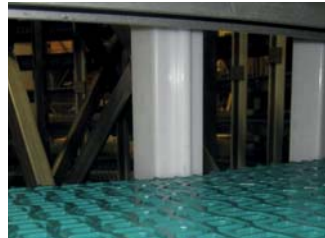


## In touch with our technology

A new technology is available in the GEA freezing spiral range that eliminates friction issues between the drum and the belt which occur in lo-tension systems.



*Intralox belt design*



*Positive drive*

### Simplified drive system

This new system utilizes the new Direct Drive System (DDS) belt technology from Intralox. The DDS is a positive direct drive system using an acetal belt especially designed to directly engage into the teeth of the drive drum. Only one drum-drive motor is required, and there is no take-up drive.



*Improved operation for fried or sugar-coated products*



### Effective for demanding chilling and freezing requirements

The Direct Drive System integrated in GEA A-Tec and GEA S-Tec models optimally satisfies the following application conditions and requirements:

- By removing friction between the drum and belt which occurs with lo-tension systems, the DDS enables great benefits for work with spiral chillers and freezers – especially with fried products and pastry applications in which oil, fat, or sugar can impair the operation of the belt drive.
- Enhanced product alignment. DDS prevents products from shifting on the belt in the spiral. In bakery applications, product positioning is critical. On discharge from the spiral, automated packaging systems use x-rays to determine the weight and position of bread products on the belt to optimize the packaging process. DDS improves this part of the process -- or makes it possible at all.
- Positioning, chilling, or freezing highly sensitive products. The direct drive minimizes belt movement and preserves product shape and integrity.



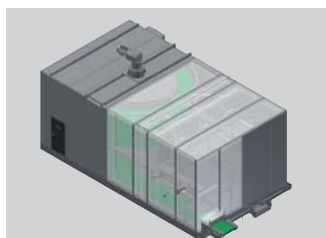
*Enhanced product alignment*



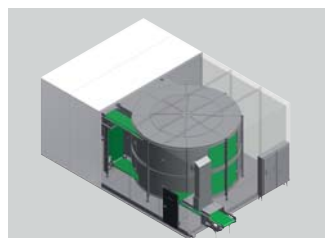
*Better sensitive product handling*

### Seamlessly integrated in GEA A-Tec and GEA S-Tec spirals

Application of the Direct Drive System by GEA experts in our A-Tec and S-Tec spiral series ensures maximum performance in chilling and freezing solutions. Both top drive for the A-Tec as well as bottom drive for the S-Tec are available with the Direct Drive System.



*A-Tec spirals with top drive*



*S-Tec spirals with bottom drive*

