

SPIRAL

WIRE MESH CONVEYOR



OUTSIDE DRIVE

Smalte's Outside Direct Drive spiral conveyors are designed to provide highly reliable systems for food manufacturers. We utilise a simple, robust belt in either full stainless steel or Acetal (POM) with SS rods. Each tier is driven independently from the others but off a common vertical drive shaft. Only one small geared motor is required, contributing to energy savings. Multiple tiers are able to be driven off a single drive.

DESIGN FEATURES

- Spiral or Oval design
- Stainless Steel Wire Mesh or Acetal belts
- Single Drive motor for most applications
- Combined up and down in a single footprint (P-loop)
- Hygienic SS Design
- Full Turnkey system incl. controls, HMI panel and IoT technology

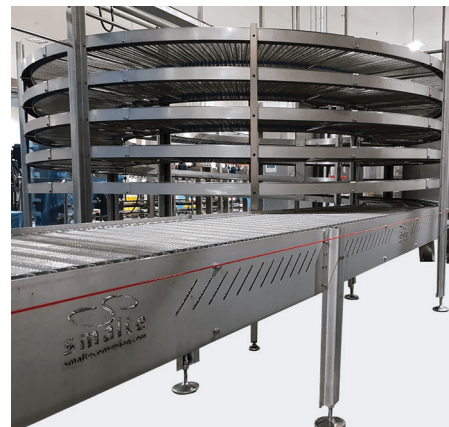
BENEFITS

- Optional Infeed and Outfeed configurations
- No belt lift (Christmas Treeing)
- Less product movement
- Smooth, quiet operation
- No internal drum
- Excellent access for improved air flow, cleaning and maintenance
- SS open design provides for a cleaner more hygienic system



APPLICATIONS

- Cooling
- Freezing
- Proofing
- Drying
- Steam cooking
- Elevating
- Buffering



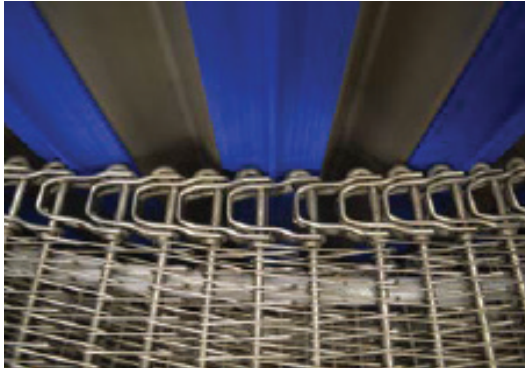
Drive sprockets are positioned on every tier to provide tension only to that tier
Each sprocket is able to be individually tensioned
Acetal and SS Sprockets are available
Sprockets are split type to enable them to be changed without removing the shaft
Sprockets are dual tooth that "trap" the driving link ensuring a solid drive



INSIDE DIRECT DRIVE

Smalte can convert your existing drum or cage spiral to a more reliable, stable, positive driven system

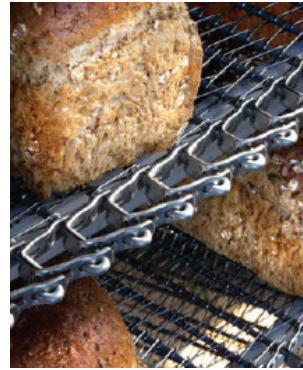
- Direct drive utilising your existing drum
- Operational within several days
- Quick and affordable
- Less product movement due to more stable and predictable belt tensions
- Longer production runs possible



DRUM FRICTION DRIVE (LOTENSION)

Lotension drives are the most common and well known drive solution in spiral systems. They are a proven technology, utilised in many applications.

Smalte use the same belt as our Inside Direct Drive for this application. The rounded edges on the cross rods provide the ideal driving surface and won't damage the drum



WIRE BELT CONVEYORS

Smalte manufactures a range of SS Wire Mesh Belt Conveyors for many applications (frying, enrobing, washing, baking, freezing and the like). Examples may include straight conveyors, 45, 90 or 180 degree bends, and SS chains for spreading of products. From time to time we also incorporate air knives and small diameter nose bar transfers for delicate or small products.

