



Freezing ▪ Cooling ▪ Chilling ▪ Drying ▪ Proofing ▪ Steaming

The most innovative solutions for all further processed products.

We're with you, right down the line.™





## Patented technologies that provide processors with top-notch equipment from the leaders in freezing

For over 50 years, JBT has mastered the freezing, cooling, chilling, drying, proofing and steaming categories and continues to innovate with our full line of products. Our Frigoscandia and Northfield lines have shaped today's frozen food markets by inventing breakthrough technologies, such as the self-stacking spiral freezer, the top-selling freezer in the world. In this brochure, you will find the complete line of products offered by JBT in these categories. These product lines help processors produce quality, consistency and longevity for their dairy, bakery, protein and grain based products. We stand by the reliability and payback of our products and invite food processors to test new food products and simulate runs on many of the machines shown at our Tech Center in Sandusky, OH. Portioning, cooking, coating and frying solutions are also available for testing at the Tech Center.

**To reserve time at the Tech Center, call 419 627 4319 or talk to your JBT Account Representative.**



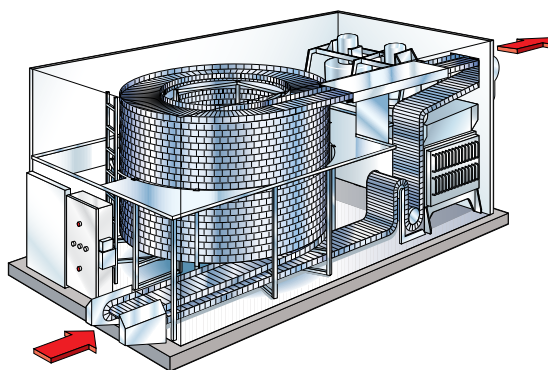
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# Spiral Freezing Systems



## Frigoscandia GYRoCOMPACT® Classic 600

An entry level, modular design, spiral freezing system utilizing a self-stacking belt with unparalleled product zone hygiene in a vertical down airflow configuration.

### Designed For:

Freezing and chilling food products, both packaged and IQF, including dairy, grain based and protein items.

### Key Features:

- Self-stacking stainless steel mesh belt
- Counter Clockwise (CCR) belt rotation
- Modular stainless steel floor and belt drive
- Caulked enclosure panels
- Tube and fin heat exchanger
- Adjustable belt speed
- Vertical airflow with counter current heat transfer

### Options:

- Available with multiple belt options:
  - Four different belt lengths (no. of tiers)
  - Mesh belt sizes
- Straight through or U-shaped layout
- Enameled or stainless steel finish caulked enclosure panels
- Clean in Place (CIP) system
- Air Defrost (ADF) system
- High-hygiene evaporator coil and two heat exchanger sizes
- A patented low volume refrigerant (LVS) feed system is also available

### Capacity/Size Range:

The Classic 600 has a 24.2 in. usable belt, capable of freezing or chilling up to 4400 lbs. per hour dependent on product and application.

# Spiral Freezing Systems

## Spiral Freezer Options and Sizes

Equipment	Freezer Style		Usable Belt Width (in.)		Std. Belt Speed (ft./min.)		Residence Time (min.)*		Per Tier		General Specifications					60mm Link Height					
	Self-Stacking	Structure-Supported	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Length (ft.)	Area (ft <sup>2</sup> )	Product Clearance Height (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	Product Clearance Height (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	Product Clearance Height (in.)
<b>GYRoCOMPACT Classic 400</b>	▲		N/A	14.8	6.6	59	8.3	111.5	22.3	22.6	N/A	N/A	N/A	N/A	N/A	1.75	23	512.9	33	735.9	N/A
<b>GYRoCOMPACT Classic 600</b>	▲		N/A	23.8	11.5	98.4	9.0	134	36.7	61.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
<b>GYRoCOMPACT M6</b>	▲		N/A	24.3	11.5	98.4	6.0	128.7	37	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
<b>GYRoCOMPACT M7</b>	▲		N/A	28.1	11.5	98.4	7	149.6	43	83	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
<b>GYRoCOMPACT M8 Twin Belt</b>	▲		N/A	29.7	14.8	147.6	5.0	155.1	45.9	94.2	N/A	N/A	N/A	N/A	N/A						2.5
<b>GYRoCOMPACT M10 Tight Curve</b>	▲		N/A	40	11.5	75.5	8.3	128.3	32.8	107.64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
<b>GYRoCOMPACT M9</b>	▲		N/A	34.5	11.5	98.4	7.7	203.1	58.4	141.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
<b>GYRoCOMPACT M10</b>	▲		N/A	40	11.5	98.4	8.9	233.9	67.25	188.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5
<b>SuperTRAK</b>		▲	12	48	6.1	125	Calc.	Calc.	Calc.	Calc.	4.5-20	4	Calc.	48	Calc.	N/A	N/A	N/A	N/A	N/A	N/A
<b>Large Spiral Technology (L.S.T.)</b>		▲	24	60	6.1	125	Calc.	Calc.	Calc.	Calc.	5.5-20	4	Calc.	59	Calc.	N/A	N/A	N/A	N/A	N/A	N/A
<b>AquaTRAK</b>		▲	12	60	6.1	75	Calc.	Calc.	Calc.	Calc.	4.5-20	4	Calc.	48	Calc.	N/A	N/A	N/A	N/A	N/A	N/A
<b>Ambient Cooler</b>		▲	12	60	6.1	100	Calc.	Calc.	Calc.	Calc.	4.5-20	4	Calc.	59	Calc.	N/A	N/A	N/A	N/A	N/A	N/A

▲ Standard  
 ■ Optional  
 N/A Not Applicable

\* Based on maximum and minimum number of tiers (total belt length) and standard minimum and maximum belt speeds.



Tier Pitch (Height)																									
80mm Link Height					90mm Link Height					100mm Link Height					120mm Link Height					150mm Link Height					
Pitch (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	Product Clearance Height (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	Product Clearance Height (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	Product Clearance Height (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	Product Clearance Height (in.)	Minimum Tiers	Minimum Belt Length (ft.)	Maximum Tiers	Maximum Belt Length (ft.)	
N/A	N/A	N/A	N/A	N/A	3	22	490.6	22	490.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
24	881	42	1541	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	629	40	1480	N/A	N/A	N/A	N/A	N/A	N/A	3.375	16	592	40	1480	4.125	16	592	40	1480	N/A	N/A	N/A	N/A	N/A	N/A
16	688	40	1720	N/A	N/A	N/A	N/A	N/A	N/A	3.375	16	688	40	1720	4.125	16	688	40	1720	N/A	N/A	N/A	N/A	N/A	N/A
23	1056	50	2295	N/A	N/A	N/A	N/A	N/A	N/A	3.375	19	872	45	2065.5	4.125	16	734.4	40	1836	N/A	N/A	N/A	N/A	N/A	N/A
27	886	45	1476	N/A	N/A	N/A	N/A	N/A	N/A	3.175	22	722	40	1312	4	19	623.2	35	1148	N/A	N/A	N/A	N/A	N/A	N/A
23	1343	40	2336	N/A	N/A	N/A	N/A	N/A	N/A	3.375	19	1110	40	2336	4.125	16	934.4	40	2336	5.375	13	759.2	37	2160.8	N/A
23	1547	40	2690	N/A	N/A	N/A	N/A	N/A	N/A	3.375	19	1278	40	2690	4.125	16	1076	40	2690	5.375	13	874.3	35	2353.8	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

# Spiral Freezing Systems

## Spiral Freezer Options and Sizes

Equipment	Freezer Layout Options			Belt Rotation Options		Belting Material			Flat Wire		Available Mesh Size				Enclosure Options			General Options				
	Straight	U-Shaped	Angled	Clockwise	Counter Clockwise	Belt Type	Stainless Steel	Plastic	1 in. x 1 in.	.5 in. x 1 in.	.25 in.	.33 in.	.5 in.	.75 in.	Caulked Panels Enamel	Caulked Panels Stainless Steel	Seam-Welded Stainless Steel	Defrost Option: ADF	Defrost Option: Sequential	CIP System	LVS System	High-Hygiene Cell
<b>GYRoCOMPACT Classic 400</b>	Standard	Optional	N/A	N/A	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	N/A	Optional	N/A	Optional	Optional	Optional
<b>GYRoCOMPACT Classic 600</b>	Standard	N/A	N/A	N/A	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	N/A	Optional	N/A	Optional	Optional	Optional
<b>GYRoCOMPACT M6</b>	Standard	Optional	Optional	Optional	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	N/A	Optional	Optional	Optional
<b>GYRoCOMPACT M7</b>	Standard	Optional	Optional	Optional	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>GYRoCOMPACT M8 Twin Belt</b>	Standard	N/A	N/A	N/A	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>GYRoCOMPACT M10 Tight Curve</b>	Standard	Optional	Optional	Optional	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>GYRoCOMPACT M9</b>	Standard	Optional	Optional	Optional	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>GYRoCOMPACT M10</b>	Standard	Optional	Optional	Optional	Standard	FRIGoBELT	Standard	N/A	N/A	N/A	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>SuperTRAK</b>	Standard	Optional	Optional	Optional	Standard	Supplier	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Large Spiral Technology (L.S.T.)</b>	Standard	Optional	Optional	Optional	Standard	Supplier	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>AquaTRAK</b>	Standard	Optional	Optional	Optional	Standard	Supplier	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Optional	Optional	N/A	N/A	N/A	N/A	N/A
<b>Ambient Cooler</b>	Standard	Optional	Optional	Optional	Standard	Supplier	Standard	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A