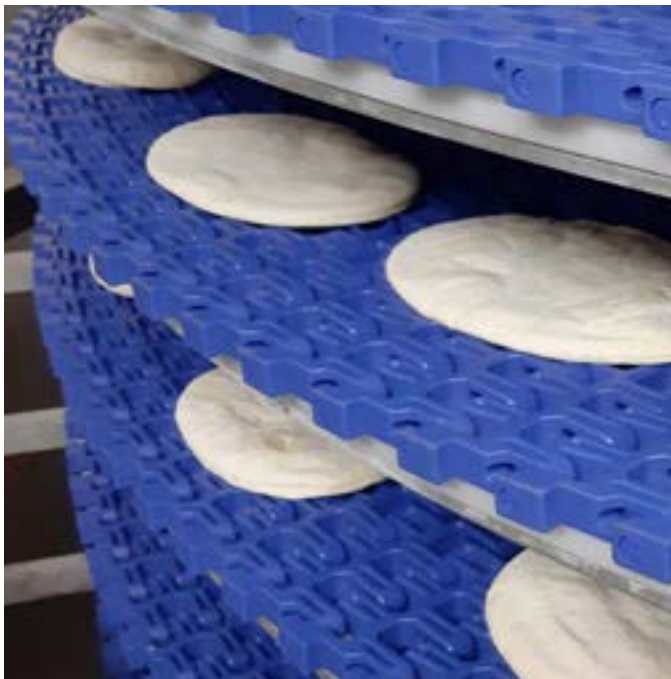


# uni Modular Spiral Belts

## Friction & Direct Drive systems



Available in

Flame retardant material

## uni spiral belting range – efficient and space saving conveying solutions

For cooling, chilling, freezing, proofing, steaming, pasteurising or simply just inclined or declined conveying.

### uni Low Tension Friction Drive Belts

Friction driven spiral belts with overdrive technology are best suited for less demanding spiral applications where the environment is clean and precise product positioning is not critical.

**uni Friction Driven Spiral Belts** are well recognised in the market for their durability and unique features.

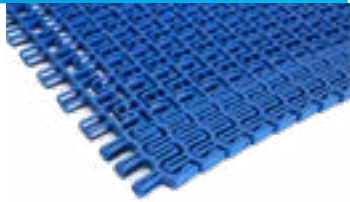
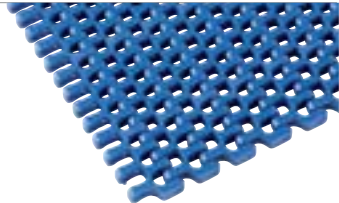
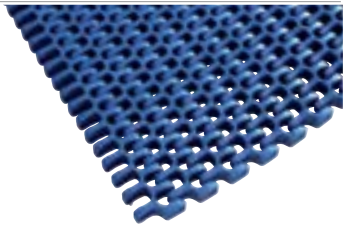
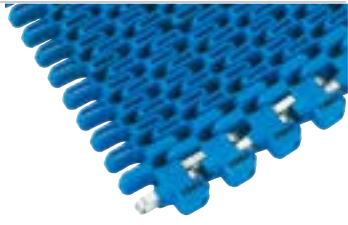
### uni Direct Drive Belts **NEW**

Direct Driven Spiral Belting Systems with their positive engagement, are gaining in popularity, particularly for use in more challenging spiral applications, where they operate more trouble free (lower maintenance solution). A major benefit is a controlled stable belt motion, less sensitive to environmental changes, which is important when product orientation is critical.

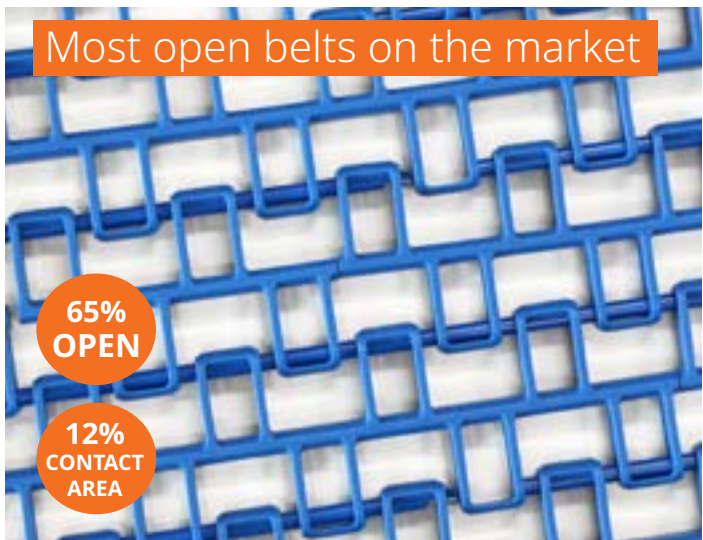
**uni Direct Drive Belts – destined to become Best in Class!**



# Friction Drive Spiral Belts

Applications	Recommended products & benefits
<ul style="list-style-type: none"> <li>• Spiral coolers</li> <li>• Spiral freezers</li> </ul> <p><b>For optimum efficiency</b></p>	<p><b>uni Flex OSB &amp; L-OSB</b></p> <ul style="list-style-type: none"> <li>• Excellent vertical airflow</li> <li>• Low surface contact</li> <li>• Uniform opening across width</li> <li>• No crumb retention</li> <li>• High beam strength</li> </ul> 
<ul style="list-style-type: none"> <li>• Spiral coolers</li> <li>• Spiral freezers</li> <li>• Spiral proofers</li> <li>• Compact, space saving spirals</li> </ul> <p><b>For products that need more base support</b></p>	<p><b>uni Flex ASB &amp; L-ASB</b></p> <ul style="list-style-type: none"> <li>• Robust construction</li> <li>• Optimum product support</li> <li>• Non-snag belt edges</li> <li>• Unique load sharing design</li> </ul> 
<ul style="list-style-type: none"> <li>• Spiral proofers</li> <li>• reduced product surface contact</li> </ul> <p><b>For products that stick to flatter belt surfaces</b></p>	<p><b>uni Flex ASB-CS</b></p> <ul style="list-style-type: none"> <li>• Non-stick curved belt surface for easy product release</li> <li>• Scraping of curved surface possible</li> <li>• Robust construction</li> <li>• Easy to clean</li> <li>• Non-snag belt edges</li> </ul> 
<ul style="list-style-type: none"> <li>• Spiral pasteurizers</li> <li>• Spiral cookers, steamers</li> <li>• Spiral dryers</li> </ul> <p><b>For more demanding production processes</b></p>	<p><b>uni Flex SNB Hybrid</b></p> <ul style="list-style-type: none"> <li>• Robust spiral belt</li> <li>• Stainless steel tension members</li> <li>• High working capacity</li> <li>• Working temperature 100°C</li> <li>• Non-stick surface</li> <li>• High beam strength</li> </ul> 

## Hygienically designed spiral belts



# Direct Drive Spiral Belts

Introducing the **uni Direct Drive System™** - A new generation Spiral system. Designed to be best in class and destined to become the new industry favorite.

The patented design of the uni Direct Drive System™ delivers the smoothest engagement in the market. This ensures consistent operation, even in the most challenging environments.

### **Smoother engagement and running means:**

- better product alignment and positioning, critical for subsequent processes like packaging
- less product damage and less waste

### **Trouble-free operation**

As the uni Direct Drive System™ is positive driven, it operates with greatly reduced belt tension. This increases belt life and reduces sensitivity to environmental factors such as ice build up, grease and contamination, supporting a trouble-free and reliable operation. It reduces maintenance, cleaning associated with friction issues and technical adjustments.

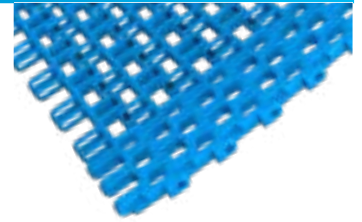
## Applications

- Spiral coolers
- Spiral freezers
- Spiral proofers
- Elevators & lowerators

## Recommended product & benefits

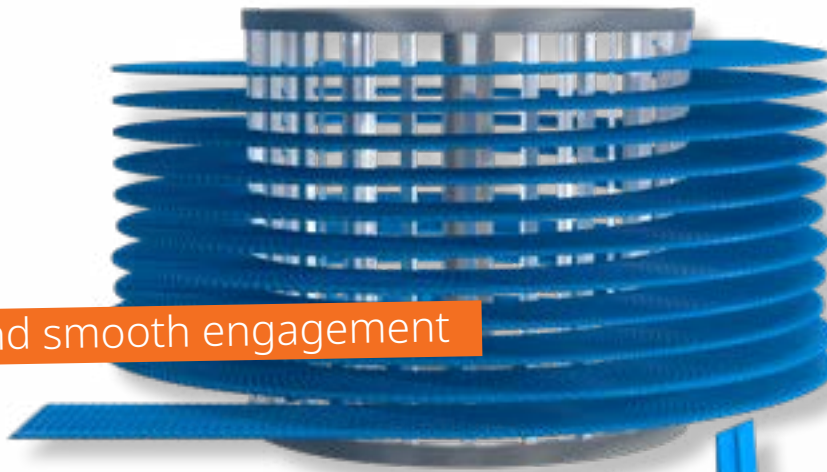
### **uni Flex L-OSB (DD)**

- Excellent vertical airflow (65% open)
- Lowest surface contact (12% contact area)
- Uniform opening across width
- No crumb retention
- High beam strength



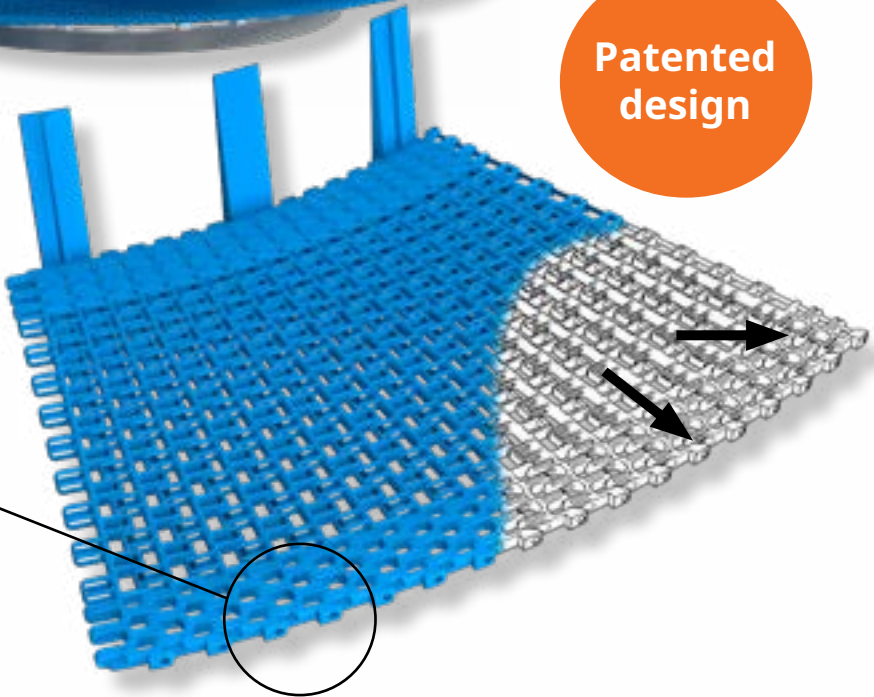
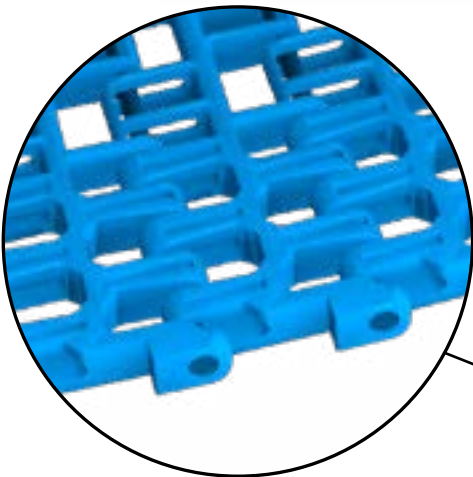
# The uni Direct Drive System™

[▶ Click here to watch the video](#)



Seamless and smooth engagement

Patented design



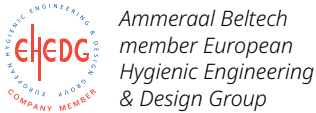
**No protruding parts**


- less vulnerable for damage
- less risk of snagging

**Benefit from the extensive experience of Ammeraal Beltech's Global Spiral team.**


- On-site or remote consultations
- Engineering & design advice
- Installation support
- Retrofit support
- Trouble shooting

Our team will ensure our belts run as intended providing maximum performance.



 Food Grade belts comply with EC 1935/2004 and FDA standards supporting your ISO 22000 requirements (previously HACCP).

**Plastic Modular Belt**  
uni Flex L-OSB Type 65% Open (Radius 2.2)



Belt width	PITCH 2000		PITCH 2500		PITCH 3000		PITCH 3500		PITCH 4000		Number of holes per pitch	Pitch
	mm	in	mm	in	mm	in	mm	in	mm	in		
1000	39.37	1.549	492.0	19.37	635.0	25.00	787.4	30.99	1014.8	35.83	1410.6	55.51
1250	49.21	1.937	792.0	31.18	987.5	39.29	1247.2	49.21	1393.7	54.84	2160.6	85.83
1500	59.06	2.323	1092.0	42.97	1287.5	50.71	1508.6	59.06	1649.6	64.92	2700.6	106.31
1750	68.90	2.711	1392.0	54.76	1587.5	62.13	1729.7	68.90	1790.6	70.84	3240.6	126.79
2000	78.75	3.109	1692.0	66.55	1887.5	73.55	1950.7	78.75	2111.6	80.76	3780.6	147.27
2250	88.59	3.497	1992.0	78.34	2187.5	84.97	2171.7	88.59	2252.6	90.68	4320.6	167.75
2500	98.44	3.885	2292.0	90.13	2487.5	96.39	2392.7	98.44	2393.6	100.60	4860.6	188.23
2750	108.28	4.273	2592.0	101.92	2787.5	107.81	2613.7	108.28	2494.6	110.52	5400.6	208.71
3000	118.13	4.661	2892.0	113.71	3087.5	119.23	2834.7	118.13	2595.6	120.44	5940.6	229.19
3250	127.97	5.049	3192.0	125.50	3387.5	130.65	3055.7	127.97	2696.6	130.36	6480.6	249.67
3500	137.82	5.437	3492.0	137.29	3687.5	142.07	3276.7	137.82	2797.6	140.28	7020.6	270.15
3750	147.66	5.825	3792.0	149.08	3987.5	153.49	3497.7	147.66	2898.6	150.20	7560.6	290.63
4000	157.51	6.213	4092.0	160.87	4287.5	164.91	3718.7	157.51	2999.6	160.12	8100.6	311.11
4250	167.35	6.601	4392.0	172.66	4587.5	176.33	3939.7	167.35	3100.6	170.04	8640.6	331.59
4500	177.20	6.989	4692.0	184.45	4887.5	187.75	4160.7	177.20	3201.6	180.00	9180.6	352.07
4750	187.04	7.377	4992.0	196.24	5187.5	199.17	4381.7	187.04	3302.6	190.00	9720.6	372.55
5000	196.89	7.765	5292.0	208.03	5487.5	210.59	4602.7	196.89	3403.6	200.00	10260.6	393.03

For technical details, including collapse factors & belt accessories, visit our website and download our datasheets.

## Local Contacts

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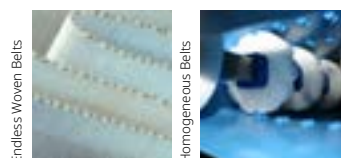
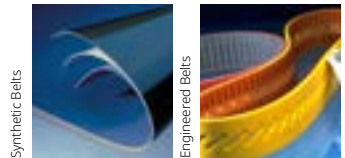
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**Expert advice, quality solutions  
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for all your belting needs**



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