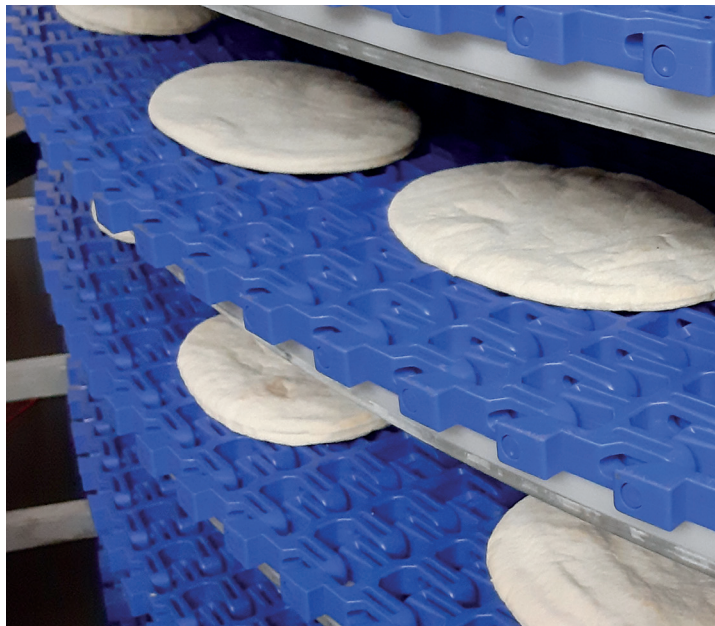
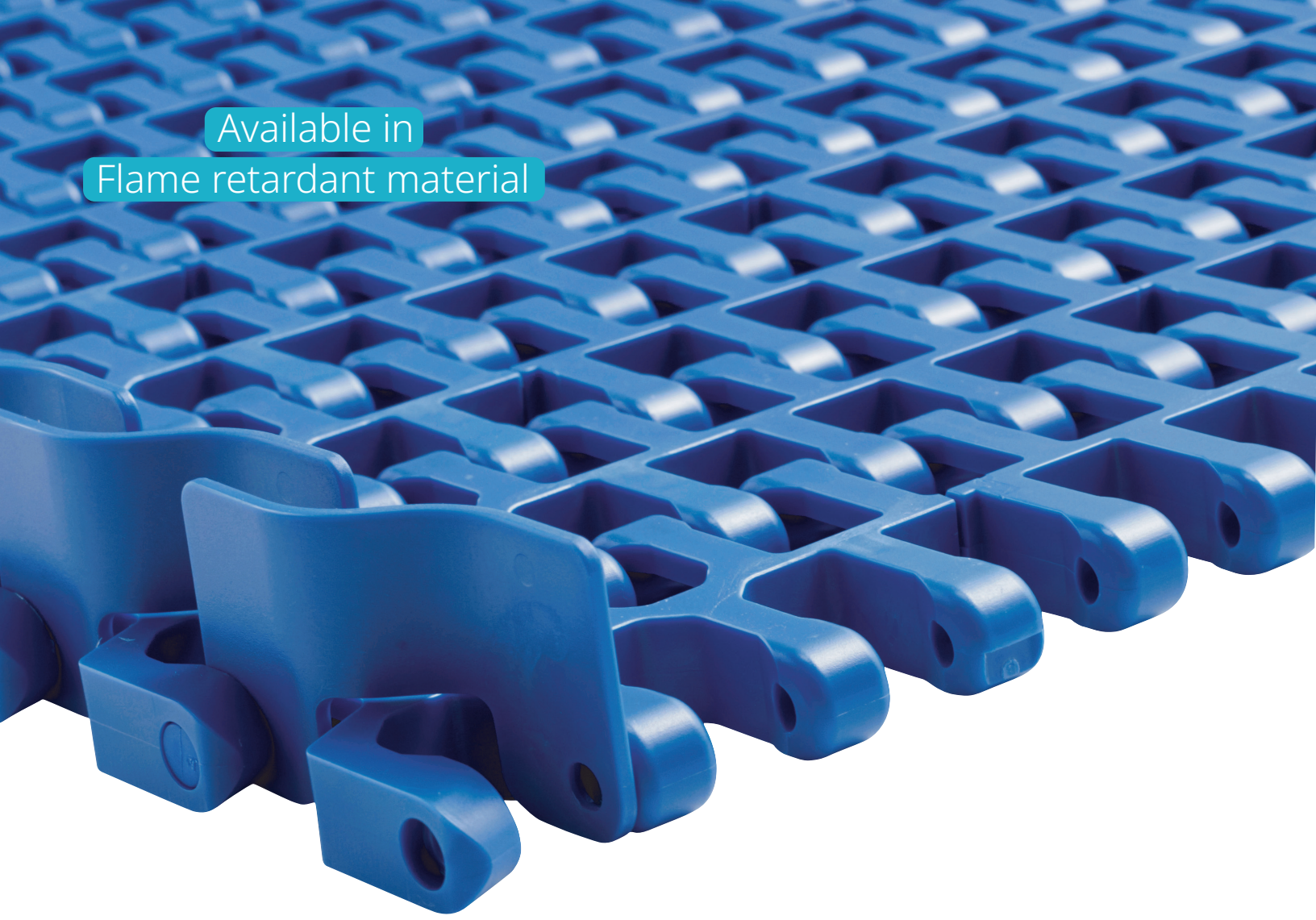


uni Modular Spiral Belts

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, pasteurizing, or simply just inclined or declined conveying.

uni Friction Drive Spiral 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 Drive Spiral Belts are well recognized in the market for their durability and unique features.

uni Direct Drive Belts

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 that is less sensitive to environmental changes, which is important when product orientation is critical.

Destined to become Best in Class!



Friction Drive Spiral Belts

Applications

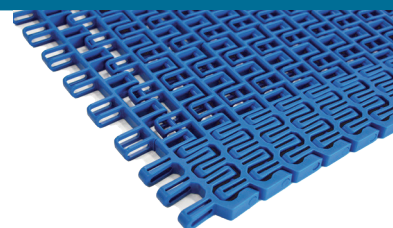
- Spiral coolers
- Spiral freezers

For optimum efficiency

Recommended products & benefits

uni Flex OSB & L-OSB

- Excellent vertical airflow
- Low surface contact
- Uniform opening across width
- No crumb retention
- High beam strength

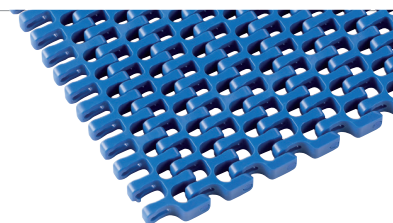


- Spiral coolers
- Spiral freezers
- Spiral proofers
- Compact, space saving spirals

For delicate or soft products that need more contact area

uni Flex ASB & L-ASB

- Robust construction
- Optimum product support
- Non-snap belt edges
- Unique load sharing design

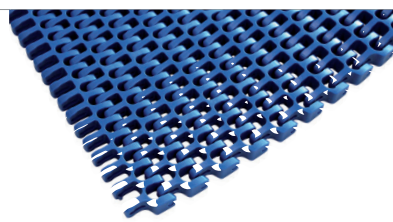


- Spiral proofers
- Reduced product surface contact

Curved Surface for excellent release and transfer properties

uni Flex ASB-CS

- Non-stick curved belt surface for easy product release
- Scraping of curved surface possible
- Robust construction
- Easy to clean
- Non-snap belt edges



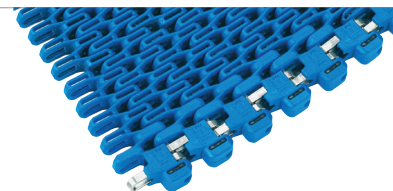
- Spiral pasteurizers
- Spiral cookers, steamers
- Spiral dryers

*For more demanding production processes**

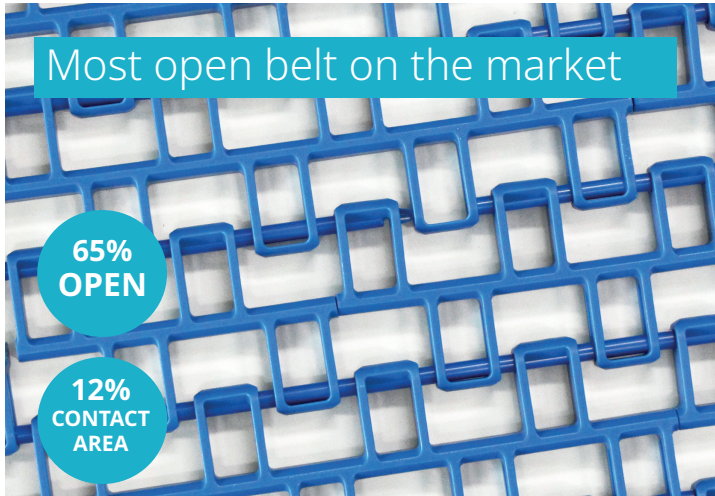
*Available at MIR but not for Spiral Projects

uni Flex SNB Hybrid

- Robust spiral belt
- Stainless steel tension members
- High working capacity
- Working temperature 212°F
- Non-stick surface
- High beam strength



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 positively 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 and cleaning associated with friction issues and technical adjustments.

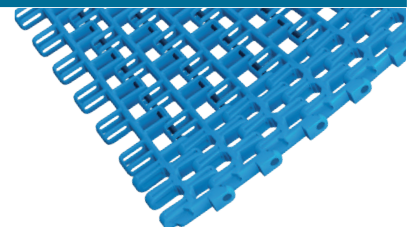
Applications

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

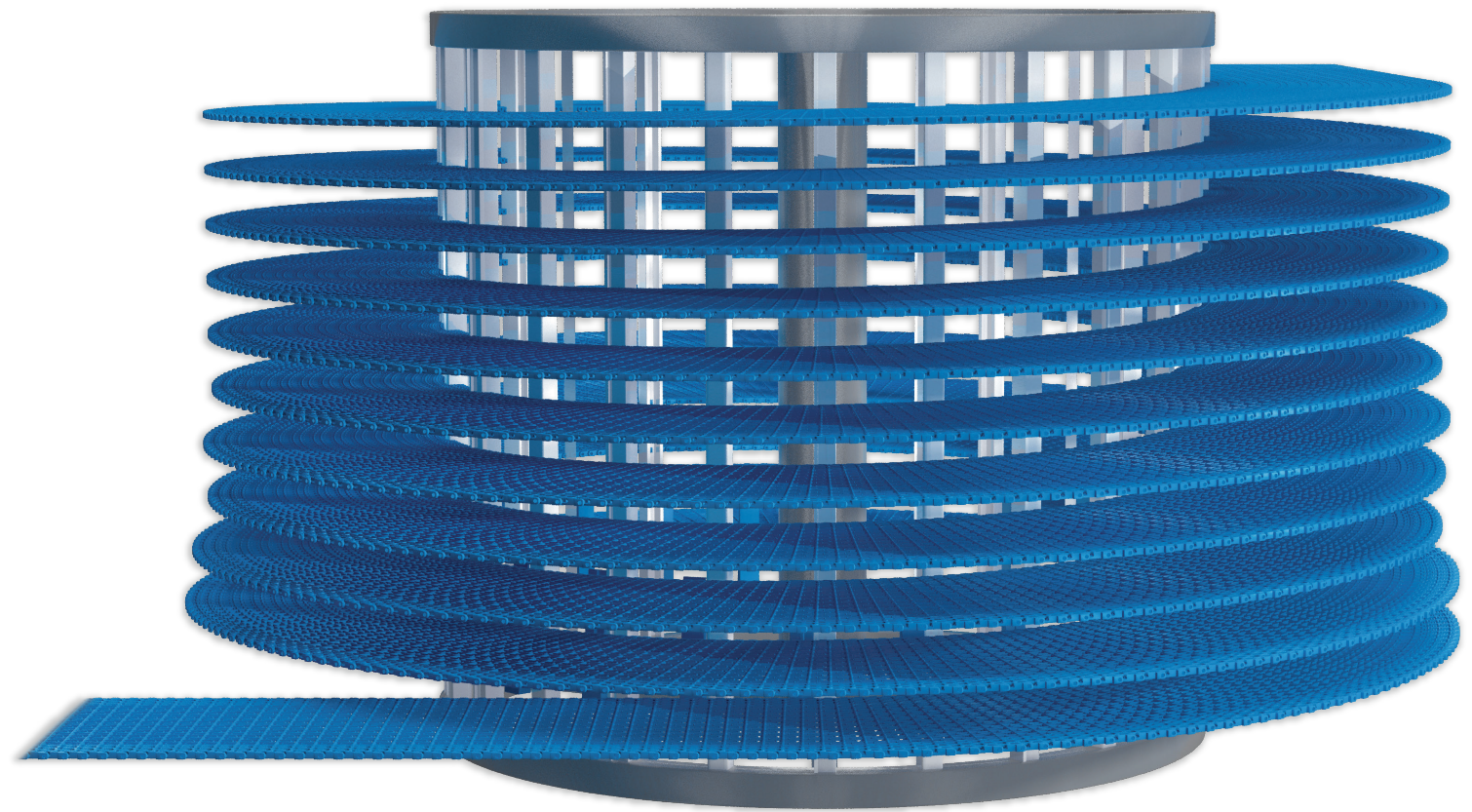
Recommended product & benefits

uni Flex L-OSB Direct Drive

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



Seamless and smooth engagement



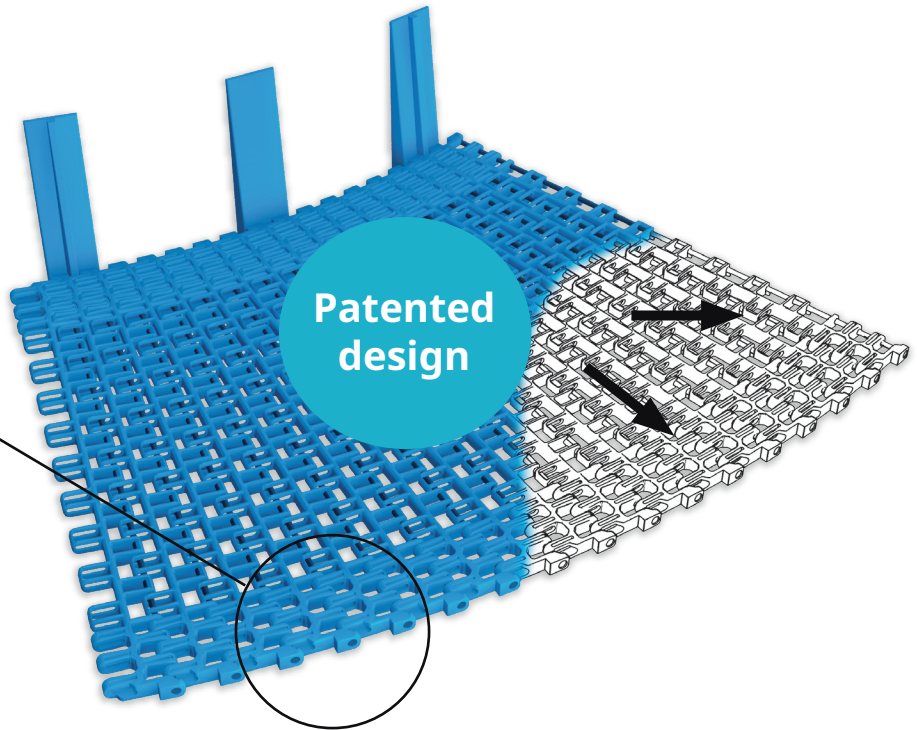
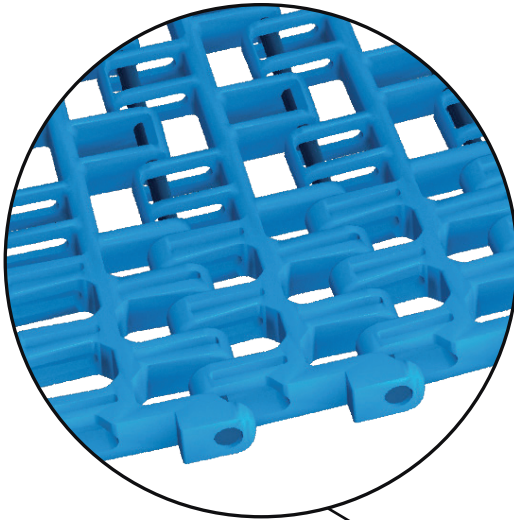
Low surface contact + reduced footprint



The uni Direct Drive System™



Scan the QR Code
and watch the video!



No protruding parts

- Less vulnerable for damage
- Less risk of snagging

Benefit from the extensive experience of Ammeraal Beltech's 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 while providing maximum performance.



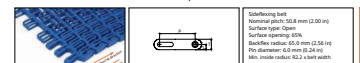
Ammeraal Beltech
member European
Hygienic Engineering
& Design Group



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

Plastic Modular Belt

Series uni Flex L-OSB Type 65% Open (Radius 2.2)



Belt material	PCM	IN	mm	IN	mm	IN
P	100	4	25.4	1	25.4	1
L	7.5	0.3	19.0	0.1	2.5	0.1

For standard material and color, see our Material Color Chart. Alternative pin and lock systems and materials. Contact Customer Services.

Belt width	Permissible tensile force (Belting material)						Belt weight (Belting material)		Min. No. drive sprockets per shaft	Number of wear rings (Min. No.)
	PCM-DURALG		PRINGLES		PCM-DURALG		PPFALG			
	N	lbf	N	lbf	N	lbf	kg/m	lbf/ft		
305	12.0	2.70	12.0	2.70	12.0	2.70	1.36	1.5	0.99	3
407	16.0	3.60	16.0	3.60	16.0	3.60	2.3	2.6	1.62	3
509	20.0	4.50	20.0	4.50	20.0	4.50	3.4	3.9	2.43	4
610	24.0	5.40	24.0	5.40	24.0	5.40	4.1	4.7	2.94	5
712	28.0	6.30	27.0	6.30	28.0	6.30	4.7	5.4	3.41	5
813	32.0	7.20	32.0	7.20	32.0	7.20	5.4	6.2	3.96	6
915	36.0	8.10	36.0	8.10	36.0	8.10	6.1	7.0	4.44	7
1016	40.0	9.00	40.0	9.00	40.0	9.00	6.7	7.7	4.93	7
1118	44.0	9.90	44.0	9.90	44.0	9.90	7.4	8.5	5.41	8
1219	48.0	10.80	35.0	7.90	48.0	10.80	8.1	9.3	5.90	9
1321	52.0	11.70	40.0	9.00	52.0	11.70	8.8	10.1	6.38	9
1422	56.0	12.60	44.0	9.90	56.0	12.60	9.4	10.8	6.86	11
1524	60.0	13.50	48.0	10.80	60.0	13.50	10.1	11.6	7.34	11
1626	64.0	14.40	52.0	11.70	64.0	14.40	10.8	12.4	7.82	11
1727	68.0	15.30	56.0	12.60	68.0	15.30	11.5	13.2	8.30	12
1829	72.0	16.20	60.0	13.50	72.0	16.20	12.2	14.0	8.78	12
1930	76.0	17.10	64.0	14.40	76.0	17.10	12.9	14.8	9.26	13

Standard belt width is 305 mm (12 in). For other belt widths, contact Customer Services.
*Max. belt per drive sprocket. Belt material POFALG is not in stock. POFALG is not in stock.
**Max. sprocket diameter. Sprocket type: 1000 series. Sprocket: 1000 series. Sprocket: 1000 series.
***Max. sprocket diameter or flange radius at each belt edge for support.

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

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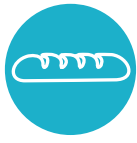
Industries / Applications – spiral belting



BAKING



BEEF / PORK



BREAD



CONFECTIONARY



FISH /
SEAFOOD



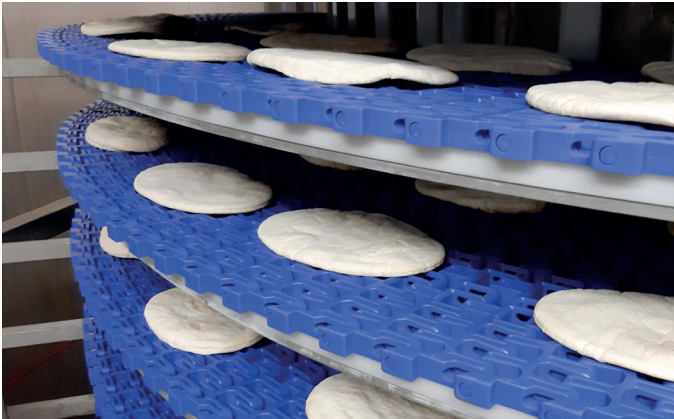
FRUIT &
VEGETABLE



PASTA



POULTRY



About uni

For Ammeraal Beltech, it is important to focus on doing things better, smarter, and more efficiently. Adaptability is important and our product designs and competencies reflect this.

Ammeraal Beltech's uni brand is one of the world's leading manufacturers of plastic modular belts and chains. We have a large range of products for various industries, such as Automotive, Corrugated and Food.

We are a part of the AMMEGA Group with over 6,000 employees worldwide.

For more information on the AMMEGA Group visit www.ammega.com.

Ammeraal Beltech - A leading global belting company and trusted brand

Founded in 1950, Ammeraal Beltech is a global market leader in the design, manufacturing, and fabrication of high-quality, high-performance process and conveyor belts, available today in 150 countries around the world.

We operate 10 manufacturing sites in Europe, the USA, Canada and Asia. We have over 28 fully owned operating companies and 150 local sales and service centers worldwide. Our network is vast, which means it's also local.

Going forward, our aim is to be the recognized leader everywhere we do business.



Contact us:
877-MIR-BELT
www.mir-belting.com



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