Smart open area spiral belts allow good – even vertical – airflows and result in best heat transfer rates for uniform processing of products, better product consistency and reduced waste. The air circulation in open belts with low surface contact allows for evaporation of condensation moisture.

**Food Grade**

Metallic belts running over support rails cause black wear debris contaminating the food products. Uni modular spiral belts are completely made of plastics, which eliminates the chance of product contamination.

**Food Safety**

A uni modular spiral belt is easy to clean due to the improved hygienic design of the belt links. Belt design, colours and food grade materials support your HACCP program. The curved surface of uni Flex ASB-CS forms a perfect circle which can be scraped. Food grade modular belts comply to EC1935/2004, EU 10/2001, and FDA.

Consistent heat transfer can be obtained across the full width of these advanced spiral belts ensuring the best process results. Non-stick polymer belt surfaces ensure gentle product handling and damage free exit transfers.

**Lower Power Consumption**

Compared to a steel belt, an all-plastic uni spiral belt will reduce belt weight and friction and consequently energy consumption. The open belt structure allows for easy an circulation and consequently reduced energy usage in vertical airflow machines.

**Operational Safety**

Uni modular belts are strong and offer more operational safety. Using a 1” pitch belt instead of a 2” pitch allows for smaller transfers. Flexible nylon pins instead of stiff steel pins increase the performance of the belt.

**Improved Process**

The spiral belt is engineered to reduce crumb retention and to be easy to clean. Additionally lower friction together with lower tension result in less wear of support strips and cage bars. This means a longer life and a decrease of necessary maintenance.

**Less Product Waste**

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Improved air circulation for an efficient consistent production

Ammeraal Beltech sets new standards with uni-chains® modular spiral belts and its belting technology. The unique patented belt designs provide extremely strong belts and enable the highest hygiene level to be obtained. uni-chains® all-plastic modular spiral belts operate for many years and often exceed the life time of steel belts. uni-chains® spiral belts are used to obtain the lowest cost of system ownership and maximum process efficiency. Good air circulation results in fast heat transfer rates and subsequent process energy savings. The all-plastic construction results in low belt weight resulting in driving energy cost savings. Non-standard radius spiral belts use to the limit in food processing. Ammeraal Beltech developed a wide range of all-plastic belting and run a dry belt tension system. Ammeraal Beltech knows the value and importance of quick and precise retrofits. The Spiral Team will come to you for a thorough review of all aspects of the retrofiting and provide a written report.

Spiral belt use to the limit

Ammeraal Beltech’s Spiral Team can present references showing belts that have been running trouble-free for many years in numerous applications world-wide. The Team will help in achieving maximum performance and ensuring that belts can run readily as intended and calculated. This includes on site measurement of belt tension during system commissioning. Procurement is backed up by a written guarantee. This warranty gives the assurance that if a problem arises, this will be handled to your satisfaction.

Seeing is believing

• Ammeraal Beltech’s Spiral Team will guide you through every project step and provide the best feasibility advice. This begins with an assessment of the application and, if necessary, a visit on site. Once the Team has good confidence in the proper outcome, you will receive an offer accompanied by thorough technical advice and calculations.
• The Team will support during belt installation, reviewing all aspects of the belt operation from design to start-up to ensure that the belt runs properly. With this on site support nothing is left to a chance!

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