

# Belts for the Tobacco Industry





## An Experienced and Innovative Partner

Tobacco and Ammeraal Beltech share a long history. Over the years, we have worked with all of the leading equipment manufacturers in the tobacco-processing field, and with the world's most important tobacco companies. We know the unique challenges that tobacco processors are facing – because we have been helping them overcome these difficulties, with targeted solutions and the most efficient belts for each phase of their processing, for many decades.

Approvals standards for the Tobacco Industry become more stringent every year, so it is a good thing that we operate an ongoing program of product improvement and maintain our own R&D facilities. This keeps us a step ahead, and allows us to offer better products. Take our commitment to halogen-free and nitrogen-free non-toxic belts for tobacco – not only do these belts conform to FDA guidelines and to regulations regarding pyrolysis, but they also help improve the overall process performance, increase reliability and boost throughput.

What's more, our around-the-clock local service networks of experienced professionals minimize down-time and ensure that your operations keep running smoothly.

Our comprehensive range includes:

- **Process and Conveyor Belts** – synthetic and elastomer belts
- **Modular Belts** – uni straight- and side flexing belts and chains for cigarette buffering and logistics
- **Endless Woven Belts** – coated and/or profiled seamless process belts
- **Light Weight Rubber Belts** – competitive range for leaf processing and airlocks
- **Timing Belts** – positive drive belts for transport and positioning in secondary packaging

Some of our latest innovations for the Tobacco Industry are:

- **Polikleen Belts** – the only belt which stays really clean in primary processing
- **Silo Belts** – extra wide belts designed for high volume storage of cut tobacco
- **Ultrasync Belts** – new innovative product range to develop lighter conveyors using less energy
- **Maestro Splicing Equipment** – a portable, air-cooled ultra-fast splicing machine

Ammeraal Beltech Tobacco Range

Improves your overall process performance!





## Green Leaf Processing

Leaf hands, loose leaf, tipped and butted tobacco, threshed, dried and packed tobacco – the production stages that tobacco passes through all have very different application requirements. Ammeraal Beltech's belt range for the Tobacco Industry has products specially designed for all these needs, including a belt with high humidity and temperature resistance specifically created for moist brown tobacco.

As green leaf undergoes threshing, baling and redrying, factors such as consistency and product volume, humidity and temperature are constantly changing – our belts are made to handle such changes and remain unaffected. What's more, these non-toxic belts are completely free from halogens, nitrogen and sulphur compounds, so safe to use in your tobacco process.



### A Sorting and picking

- » Tobacco proof belting
- » Sand and dust resistant top cover
- » Gentle surface for manual operations



### B Threshing

- » Minimum spillage of any product
- » Defense against contamination
- » Tobacco proof materials



### C Airlocks

- » Tobacco proof gaskets or seals
- » Suppressible material
- » Material on rolls, so flexible in maintenance



### D Drying

- » Smooth for horizontal conveying
- » Heat and wear resistant
- » Chemical resistant; no discolouring



### E Packaging

- » No sliding back on steep inclines
- » Proper box buffering
- » Non-stick cover for optimal box filling



## Primary Processing

Ammeraal Beltech's experience and knowledge, gained with the help of all major primary equipment manufacturers in the Tobacco Industry, allows us to offer a highly specialized product range for primary processing plants.

We know the industry's market demands and the technological developments, and with this knowledge we continuously improve our belts. What's more, all of our belting solutions for the Tobacco Industry are subject to regular stringent testing in accordance with international quality standards (ISO9002, EN29002, EC, FDA).

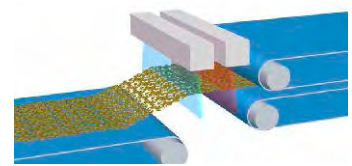
Our conveyor belts pass these tests because they are hard-wearing and highly resistant to most casing and flavouring liquids. They are also low noise, easy to clean and require less maintenance, guaranteeing longer service life. We can offer surfaces with high and low friction coefficients or belts with profiled surfaces. We can cater for angles of up to 40°. Furthermore, we have belts capable of troughing and with high lateral flexibility to prevent tobacco dust from spilling. Our innovative Amseal™ edge-sealing technology extends belt life by stopping moisture and bacteria penetration and protecting against fraying.



- A De-packing and slicing**
- » Minimum wear from dry and dusty bales
  - » Good friction for bales conveying
  - » Cut and impact resistant



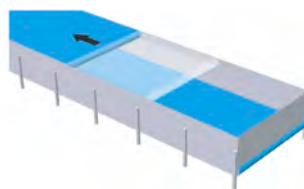
- B Conditioning and flavouring**
- » Temperature resistant
  - » Not affected by high humidity
  - » Lasting curtain for outfeed of DCC



- C Scanning**
- » No discolouring; constant good reference colour
  - » Clear detection of contamination



- D Cutting**
- » Belts are easy to clean
  - » Not affected by chemicals
  - » Wear and abrasion resistant



- E Silos for blending and storage**
- » Belt width up to 5 m
  - » Flexible construction for chain driven silos
  - » Bi-directional feeder belts



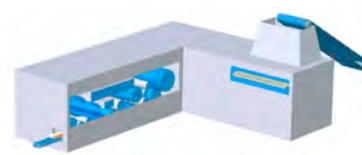


## Secondary Manufacturing

Secondary manufacturing processes for cigarette production require special belting properties. All applications with direct tobacco contact, for instance, must have non-toxic solutions. Belts with low or high grip properties are used for the smooth transfer of cigarettes into packaging machines and of cigarette packets from bundlers/ cartoners into case packers and palletizers.

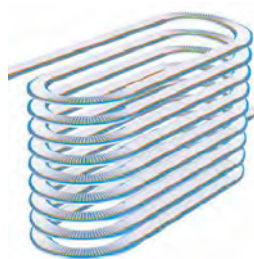
For some jobs, belts need to be engineered to combine quick acceleration during start-up with precise product placement. In some instances, it is helpful to fit a V-guide to the conveyor belt to counter tracking problems and absorb sudden lateral forces. For mass flow applications, timing and engineered belts ensure the smooth flow of cigarettes.

Our products have a proud track record in cigarette-making machinery. Our product range is simply the best and covers all possible applications in secondary manufacturing and packaging processes. We offer high running speeds, small pulley diameters and very good dimensional stability. What's more, we have an extremely wide variety of different belt types in stock so that we can fit replacements on demand.



- A Outfeed cigarette maker**
  - » Good grip, no cigarette damage
  - » Precise product placement
  - » High acceleration

- B Buffering**
  - » Smooth flow, no rolling cigarettes
  - » Good grip on cigarettes
  - » Vertical conveying



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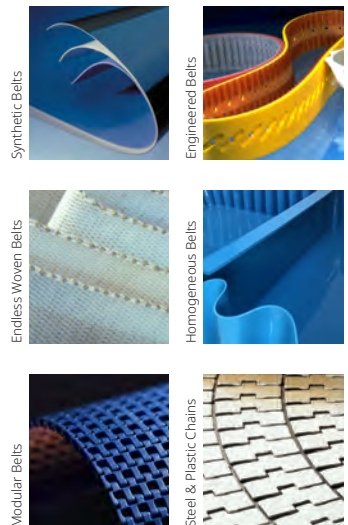
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**Expert advice and quality solutions  
for all your belting needs.**



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