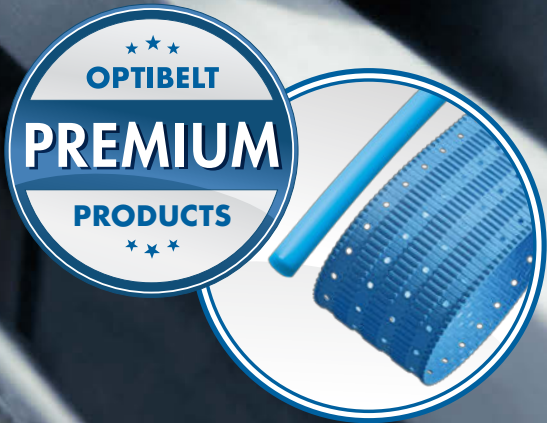




MATERIAL HANDLING
FOOD & BEVERAGE



SPECIALISTS

“Always a clean solution.”

Paul, 46, head of engineering design



IN WORLDWIDE USE

As an experienced partner in the food and beverage industry, Optibelt has the ideal drive solution to meet even the most demanding requirements.

This means that every processing step – from packaging and sorting through to transport – runs smoothly and with absolute precision. Additional factors that find approval with customers and users alike include exemplary efficiency and minimised maintenance costs. This is why Optibelt's sustainable premium products can be found in use around the globe.

FOR PULP & PAPER

OPTIBELT SUCCESS STORY

A CLEAN SOLUTION



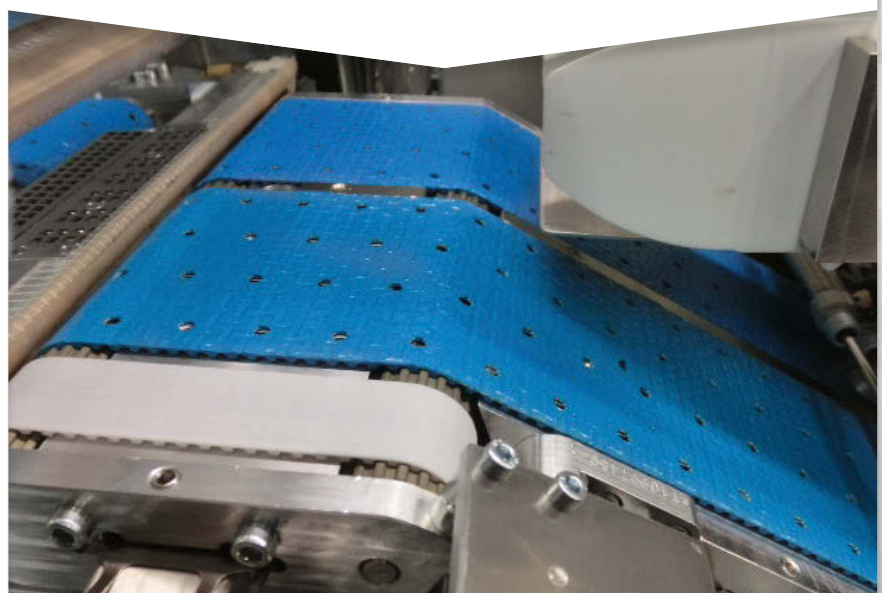
MIHO, based in northern Hesse in Germany, is a leading manufacturer of empty bottle inspection systems for the beverage industry. The company had been experiencing problems with the open-pore coating of the transport belts in the camera-controlled inspection systems. The coating was absorbing too much moisture, resulting in defective goods and bacteriological contamination. So, in cooperation with Optibelt, a new sandwich coating was developed using a neoprene foam combined with a dimpled PVC membrane. This system has shown itself to be optimally effective in practice.

OPTIBELT SUCCESS STORY

PERFECT PRECISION

Optima GmbH, based in Schwäbisch Hall in Germany, is the first European manufacturer to offer packaging machines for paper and hygiene products on the Far Eastern Market. To ensure that the packaging film is fed through these machines with great precision, the company uses vacuum timing belts made by Optibelt.

The significant feature here is the impressed top-surface structure, which was specially developed for this application with the help of Optibelt. The depth of this structure produces a circular suction effect on the belt top surface, allowing the film to be transported quickly and efficiently.



NO COMPROMIS

Speedy, accurate and reliable transport.



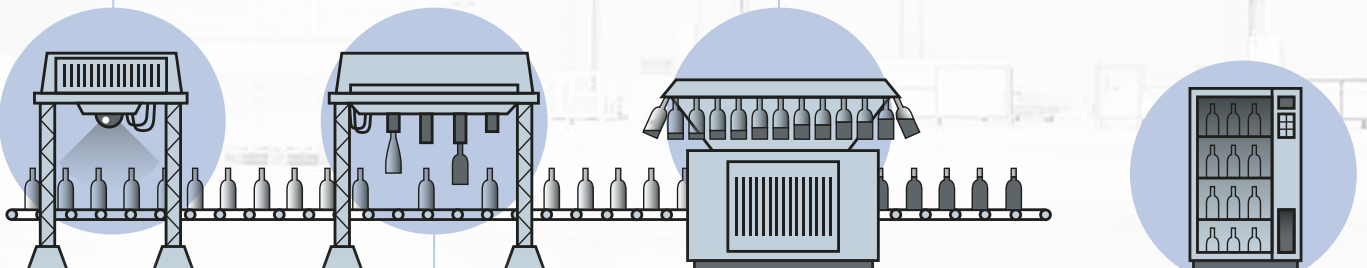
1. INSPECTION SYSTEMS

Bottles are checked for cleanliness, fractures etc.



3. BEVERAGE FILLING MACHINES

Flawless performance and hygiene are key.



2. BOTTLE SORTING

The right packaging and the product are brought together.



4. BEVERAGE VENDING MACHINES

Sophisticated technology with minimum space requirement.



SE

The mechanical handling of foodstuffs places not only high demands with respect to automation technology, but also has to meet stringent hygiene standards. Optibelt offers a special range of timing belts and round section belts for this highly sensitive sector. These belts meet the legal requirements and recommendations and are suitable for use in direct contact with food. Further outstanding features of Optibelt's drive solutions include excellent durability and reliability.



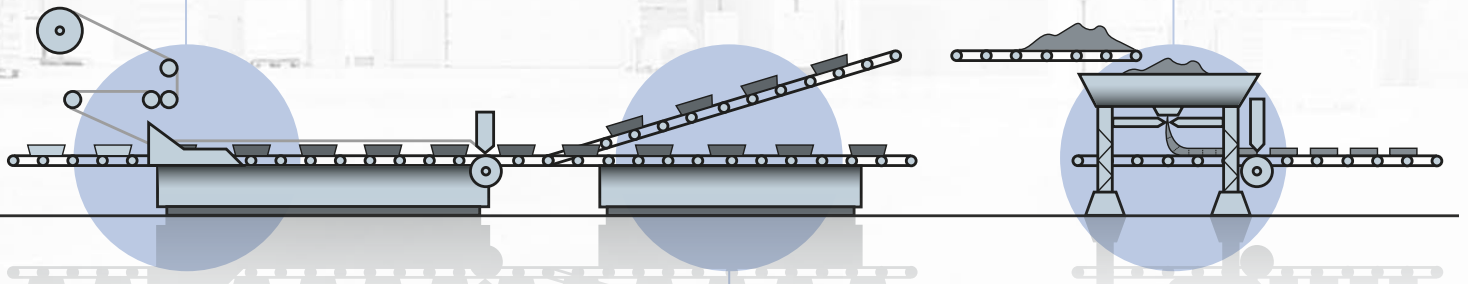
5. CUTTING AND PACKAGING MACHINES (CHEESE & SALAMI)

High quality standards with regard to cleanliness and efficiency.



7. TUBULAR BAGS

The process necessitates speed and precision.



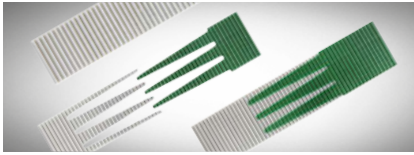
6. TRANSPORT OF FOODSTUFFS (WITH ROUND SECTION BELTS)

Everything must work reliably, without stoppages and with perfect timing.



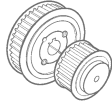
optibelt ALPHA V

TIMING BELTS



TIMING BELT PULLEYS

all standard pulleys,
special pulleys on request



DIMENSIONS

Available with profiles: XL; L; H; XH; T5;
T10; T20; AT5; AT10; AT20; 5M; 8M;
14M; T5K6; T10K6; T10K13; AT5K6;
AT10K6; AT10K13; F2; F2.5; F3; FL3

Minimum lengths of 400 to 1200 mm,
depending on width and pitch

ADVANTAGES AND CHARACTERISTICS

- lengths can be manufactured according to gradations in pitch
- can be supplied cost-effectively and at short notice
- ideal for transport drives
- PU also available with FDA approval for food contact
- direct welding on of cams and cleats

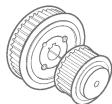
optibelt ALPHA V SPECIAL

TIMING BELTS



TIMING BELT PULLEYS

all standard pulleys,
special pulleys on request



DIMENSIONS

All belt profiles in the **optibelt ALPHA V** product group are also available as **optibelt ALPHA V SPECIAL** versions.

Minimum lengths of 400 to 1200 mm,
depending on width and pitch

ADVANTAGES AND CHARACTERISTICS

- with coatings
- with mechanical processing
- with cleats

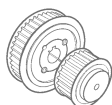
optibelt ALPHA TORQUE

TIMING BELTS AND SPECIAL BELTS



TIMING BELT PULLEYS

all standard pulleys,
special pulleys on request



DIMENSIONS

T2.5; T5; T10/AT5; AT10/DT5;
DT10 120–2250 mm
MXL; XL; L 2.4–67 inches

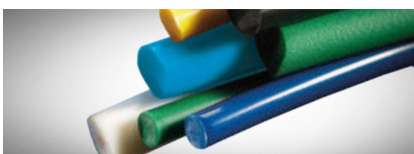
Special belts on request

ADVANTAGES AND CHARACTERISTICS

- endless casting
- extremely resistant to oil and abrasion
- tension cords made of steel, highly flexible steel, stainless steel, aramid or polyester are available

optibelt RR/RR Plus

PLASTIC ROUND SECTION BELTS



DIMENSIONS

OPTIBELT round section belts are available with various degrees of hardness and different surface structures and can be manufactured with diameters ranging from 2 to 20 mm.

Minimum lengths, welded: 200 to 400 mm, depending on the diameter

ADVANTAGES AND CHARACTERISTICS

- welding takes place on site, this also applies to the **optibelt RR Plus** version
- no disassembly of the plant is required
- quick rectification of breakdowns
- short breakdown times
- easy to store (supplied in rolls)

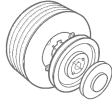
optibelt VB S=C Plus

CLASSIC V-BELTS



V-GROOVED PULLEYS

all standard pulleys,
special pulleys on request



DIMENSIONS

A/13	437–5030 mm
B/17	610–7140 mm
C/22	1148–8058 mm
D/32	2075–11 275 mm
E/40	3080–12 580 mm

Other profiles + dimensions on request

ADVANTAGES AND CHARACTERISTICS

- polyester cord
- greater flexibility in bending than wedge belts
- particularly suitable for use in industrial applications
- V-belts in reliable S=C Plus quality
- not suitable for direct contact with or transport of foodstuffs

optibelt SK S=C Plus

HIGH PERFORMANCE WEDGE BELTS



V-GROOVED PULLEYS

all standard pulleys,
special pulleys on request



DIMENSIONS

SPZ	487–3550 mm
SPA	732–4500 mm
SPB	1250–8000 mm
SPC	2000–12 500 mm
3V/9N	25–140 inches

Other profiles + dimensions on request

ADVANTAGES AND CHARACTERISTICS

- polyester cord
- specially developed with general machine construction in mind
- transmits more power than the classic V-belts with comparable top width
- not suitable for direct contact with or transport of foodstuffs

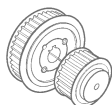
optibelt OMEGA HP

HIGH PERFORMANCE TIMING BELTS



TIMING BELT PULLEYS

optibelt OMEGA
timing belts run in
standard HTD and RPP pulleys



DIMENSIONS

2M HP	74–1224 mm
3M HP	111–1569 mm
5M HP	180–2525 mm
8M HP	288–3600 mm
14M HP	966–4578 mm

Other profiles + dimensions on request

ADVANTAGES AND CHARACTERISTICS

- high performance timing belt for extremely large loads at high rotational speeds
- shear-resistant fabric with minimised wear and friction
- up to 2 times the power transmission capability of the **optibelt OMEGA** standard version
- not suitable for direct contact with or transport of foodstuffs

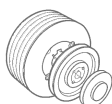
optibelt OPTIMAT PKR

OPEN-ENDED V-BELTS



V-GROOVED PULLEYS

all standard pulleys,
special pulleys on request



MODELS

Z/10; A/13; B/17; C/22; 25*; D/32*

*Special versions are only available in fabrication lengths of 50 m ± 10%.

The 25 and D/32 profiles are only available with a 5 mm top surface.

ADVANTAGES AND CHARACTERISTICS

- quick and easy installation
- manufactured to any length
- stock of spare parts is reduced
- classic V-groove power transmission
- can be used with DIN/ISO V-belt pulleys
- not suitable for direct contact with or transport of foodstuffs

COMPREHENSIVE SERVICE WITH THE OPTIBELT TEAM



CLEAT SELECTOR

Optibelt provides quick and clearly structured access to its comprehensive range of cleats via the cleat selector on the company's website. This tool can be used to search for or adapt the right transport solution according to the type of application, with a standard range of more than 300 different cleat models to choose from. The search results show all of the available cleat versions with detailed illustrations and the relevant technical data. Each match can then be downloaded with all of the associated information in the form of PDF or CAD files.



DATA SHEET SELECTOR

The data sheet selector provides a detailed overview of the Optibelt range of PU timing belts for "POWER TRANSMISSION" and "MATERIAL HANDLING". This online tool, available on the Optibelt website, can be used to download PDF files giving technical details of the required timing belts. The search can be narrowed down according to product, profile group and profile in order to find the ideal drive solution more directly. The corresponding data sheet provides precise information on dimensions, construction, nominal transmittable power, tensile force and length tolerances.



OPTIBELT CUSTOM PRODUCTS

Optibelt offers custom high performance products for all applications: Customised products are designed to precisely meet customer's drive application requirements. Optibelt engineers develop tailored drive solutions for superior efficiency and safety.

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ALWAYS AT
YOUR SERVICE

