



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



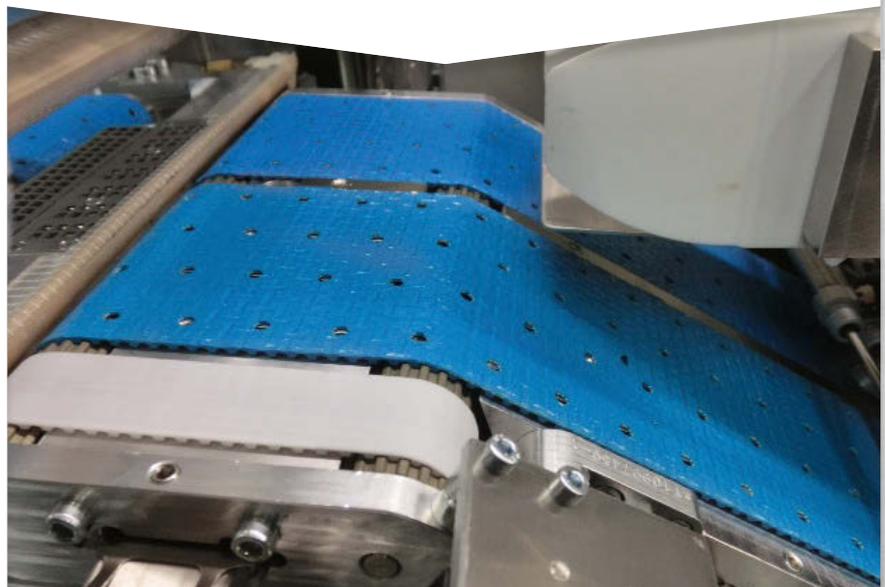
MIHO, based in northern Hesse in Germany, is a leading manufacturer of empty bottle inspection systems for the beverage industry. The company had been experiencing problems with the open-pore coating of the transport belts in the camera-controlled inspection systems. The coating was absorbing too much 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.



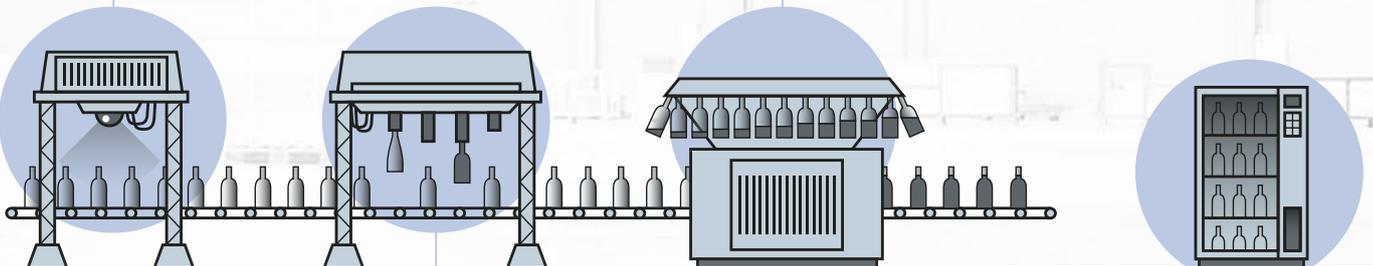
1. INSPECTION SYSTEMS

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.



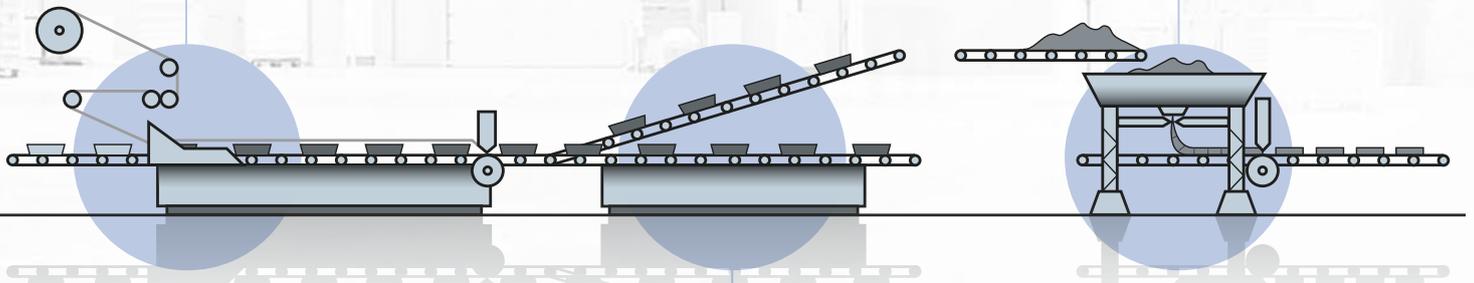
5. CUTTING AND PACKAGING MACHINES (CHEESE & SALAMI)

High quality standards with regard to cleanliness and efficiency.



7. TUBULAR BAGS

The process necessitates speed and precision.



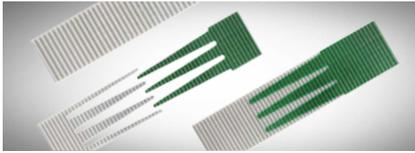
6. TRANSPORT OF FOODSTUFFS (WITH ROUND SECTION BELTS)

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)