

TEXTILES – NONWOVEN





PRODUCTIVE DOWN TO THE LAST FIBRE - CONVEYOR BELTS FOR THE NONWOVEN AND CLOTHING INDUSTRY

when top quality is a must, cost is a major factor and lost output is gauged in minutes, MBELT's products and services are the ideal choice.

Sophisticated, reliable and good value belting products will help you tap into your production machinery's potential and minimise downtimes. a range of extra products, such as splicing equipment, makes handling easier and increases the application's efficiency.

Our experience tells us what services our customers need to increase their machinery's efficiency and ensure reliable production processes. With a customised service package, we can help you be one step ahead of the competition.

Just contact us.



conveyor and processing belts

Our products are fabric and nonwoven based conveyor and processing belts featuring a product range that covers both standard conveying and the most demanding and precise applications.

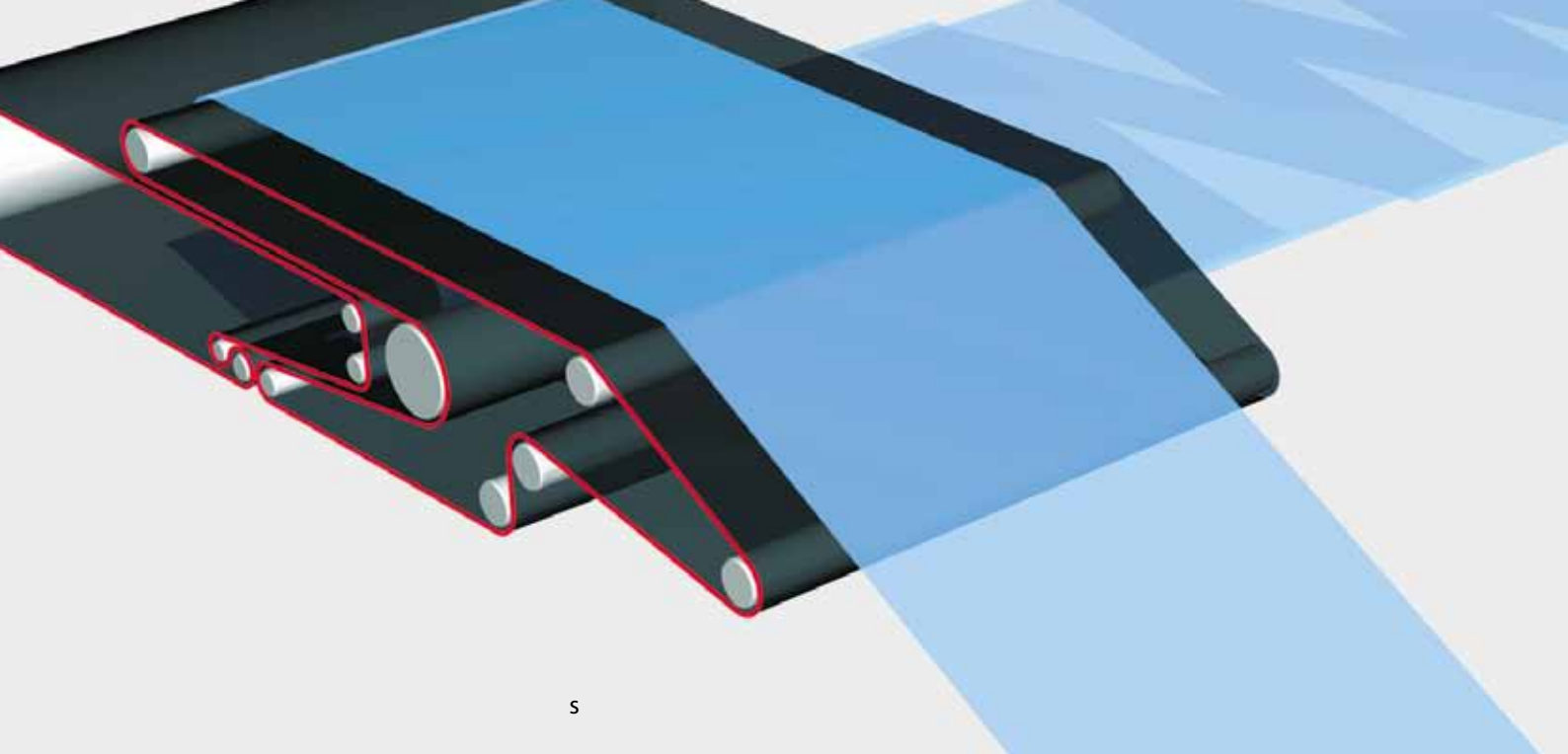
The fabric design and coating customise the mechanical, chemical and electrostatic characteristics of each belt type. We can offer you the right type of belt for all types of fabric conveying and other stages in nonwoven manufacture.



prolink

Prolink are very robust and durable plastic modular belts.

Due to their form-fit design across the whole width and their very robust structure, they are equally ideal as feeder and discharge belts. Various top-face patterns turn them into specialists for the application concerned.



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WEB-LAYING BELTS IN THE CROSS-LAPPER

SPEED AND PRECISION GO HAND IN HAND

The technical demands placed on web-laying belts are rising steadily in the face of ever faster machine speeds and the use of finer and more demanding synthetic nonwoven fibres and reduced web weights.

MBELT Movement Systems provides specially designed belt types for different fibres and nonwovens, with polyamide coating or especially low-friction urethane coating.

The properties

Polyamide coating:

lightweight belts	▶	makes for a high-speed process
very laterally stiff belt design	▶	very good flatness and running characteristics
good chemical resistance	▶	especially suitable for geotextiles
good grip	▶	very good for web conveying

Low-friction (LF) urethane coating:

excellent release properties, low-drag surface	▶	especially well-suited for ultrafine fibres
highly conductive Plus (HC+), Consistently conductive	▶	no malfunctions due to electrostatic build-up

E 4/2 U0/P2 MT-HC grey/black

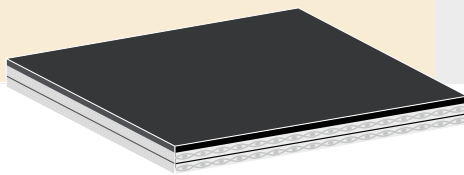
- exceptionally robust and chemically resistant (finish)
- for general applications on high-speed systems and as replacement belts on existing machines
- highly conductive polyamide coating on one side
- with 2-ply tension member consisting of laterally stiff polyester fabric

Production width 3000 mm, 3500 mm, 4100 mm on request

Total thickness approx. 0.9 mm

Weight approx. 0.8 kg/m²

Splice Z or wedge-overlap, plastic fasteners (KS), wedge splice



E 4/2 U0/U2 LF-HC+ black

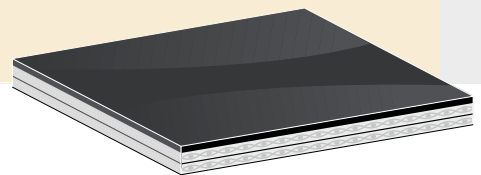
- exceptionally low drag
- for use on high-speed systems and for processing ultrafine fibres
- highly conductive, LF urethane coating on one side
- with 2-ply tension member consisting of laterally stiff polyester fabric

Production width 3100 mm, 3650 mm, 4000 mm on request

Total thickness approx. 1.0 mm

Weight approx. 1.1 kg/m²

Splice Z-splice, plastic fasteners (KS)



CONVEYOR BELTS IN CUTTING SYSTEMS CUTTING TO SIZE EFFICIENTLY

In automatic cutting machines, NOVO types are used. These belts are made of homogeneous polyester fibre bundle and are exceptional due to the following properties:

- low-noise
- flat surface with good grip for the gentle and reliable conveying of cloth
- exceptionally good cut resistance
- air-permeable (cloth is suctioned through the belt which holds it in place)

As a smooth base for manual cutting, our belt type E 8/2 U0/U2 LF green is used. Its extremely low-drag, low-friction (LF) surface has significant advantages over conventional belt surfaces:

- material can be moved and positioned on the surface very easily
- knife runner slides easily on the top face, reducing wear on the runner and belt as well as enabling precise cutting with little effort.



prolink

PLASTIC MODULAR BELTING FOR NONWOVEN CONVEYING AN UPGRADE FOR **RELIABLE AND EFFICIENT PRODUCTION**

where fabric belts and lattice conveyors work well, Prolink modular belts are often superior: in infeed and mixing lines. They deliver tangible advantages in the conveyance of fibre materials and nonwovens at all processing stages.

- enhanced durability and longer service life due to our robust design features
- reliable belt tracking utilizing sprocket-driven operation
- overall cost savings and easy installation

Prolink can be easily integrated into existing machinery:

- replacing existing drive roll with square shaft for sprocket-driven belting
- lagging of existing rollers (optimal for floor aprons); decreases conversion costs and is simple and fast
- new continuous NSK2 pattern (non-skid) with an enhanced semi-circular design prevents fibers from sticking

Profiles/patterns

- ① **S8-0 FLT PP:** Closed, smooth surface
- ② **S8-0 NSK2 PP:** Closed surface with non-skid pattern
- ③ **S8-0 FRT1 PP:** Closed surface with friction top where extremely strong grip is required

Prolink Series 8 (PP-Types)

For conveying fibres and nonwovens

Belt width	variable in increments of 12,7 mm
Total thickness	10,5 mm (without profile)
Weight	7.1 to 12.6 kg/m ² (depending on the profile type)
Hinge pins	ø 5 mm, made of PP (Polypropylene)





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