



Timing belts for packaging industry

Elatech®



Elatech®
Technology in Motion.

Elatech® timing belts for packaging industry

Packaging is nowadays crucial to convey the image of the product and the expectations of the customer, both in an industrial and consumer context. The variety of packaging types and packaging machines requires components with very different performances and characteristics.

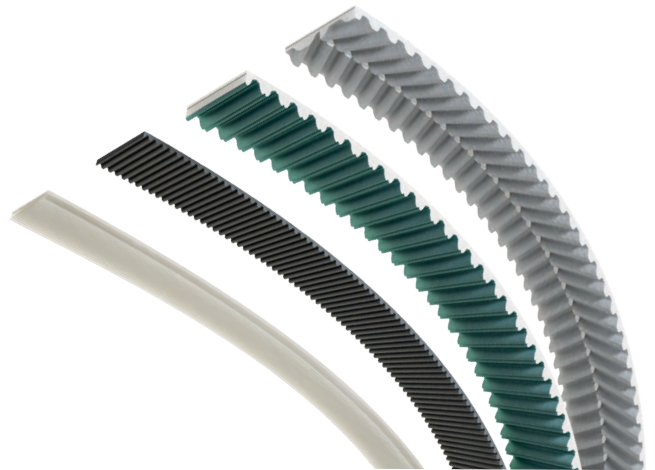
Elatech® polyurethane belts are specifically designed to meet all the most complex configurations.






Profiles

Thanks to the accurate belt engagement with the pulley, high tensile strength cords and special polyamide fabric on the tooth (on request), ELATECH® belts can grant positioning accuracy and noise reduction. The most commonly used profiles in the packaging industry are:

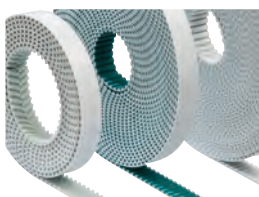
- Trapezoidal toothed profiles: **T, AT**
- Curvilinear toothed profiles: **HTD, RPD, STD**
- Helical Offset Tooth profiles: **EAGLE**

(These profiles provide an excellent solution where a reduction in wear, tear and noise is required)



TRAPEZOIDAL METRIC PROFILE	HIGH TORQUE DRIVE PROFILE	SUPER TORQUE DRIVE PROFILE	PARABOLIC PROFILE	HELICAL OFFSET TOOTH PROFILE
				

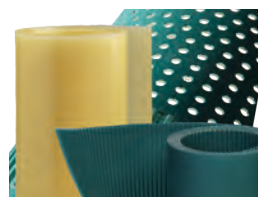
Products families



ELATECH® M & V
Open Ended rools
Joined belts



ELA-FLEX SD®
Truly endless belts



Syncro Max®
Extra Wide belts



iSync®
Truly endless cast belt
(Thermoset PU)

Main packaging types

PRIMARY packaging



consumer
sales unit

SECONDARY packaging



grouping of
individual sales
units

BULK packaging



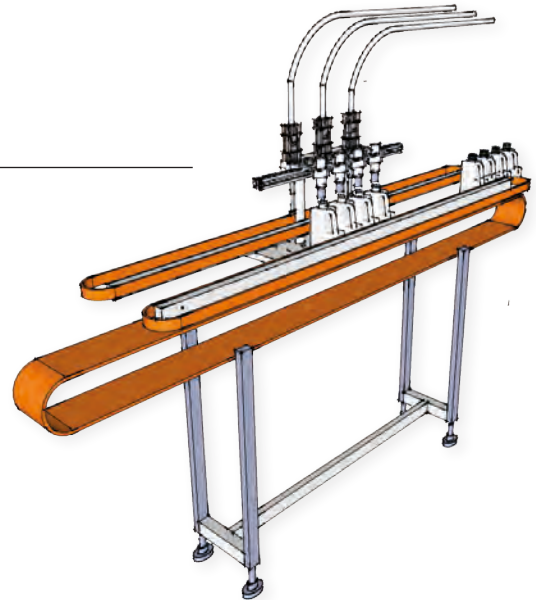
handling and
transport of primary
and secondary
packaging



PRIMARY packaging

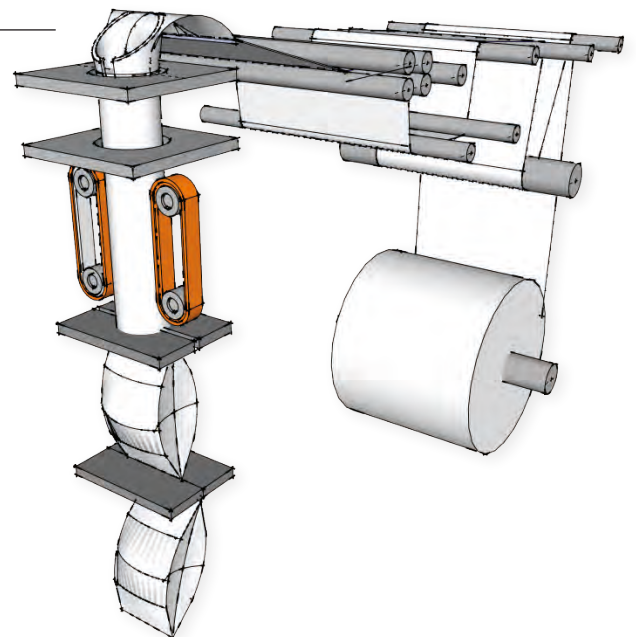
FILLING, DOSING, CAPPING AND LABELLING MACHINES

From bottle filling to labelling, the primary packaging stage poses a number of challenges, including speed, accuracy, synchronisation and delicate handling of the transported product.



FLOW PACK MACHINES

The flow pack process Horizontal Fill Form Seal (HFFS) and Vertical Fill Form Seal (VFFS) involves the use of automatic machines running at high production rates. The correct transfer and filling of the product and the precision of the film roll feed are a must to guarantee pack conformity.

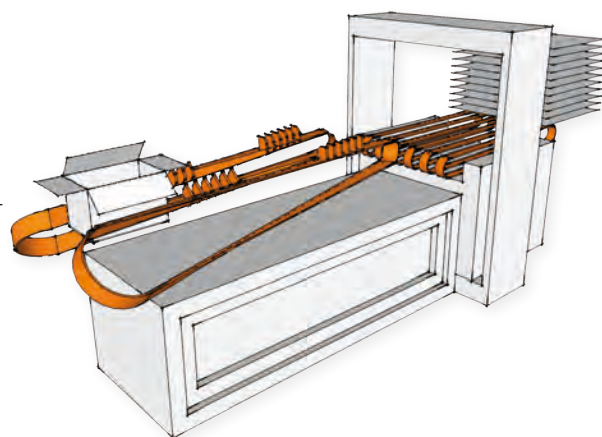




SECONDARY packaging

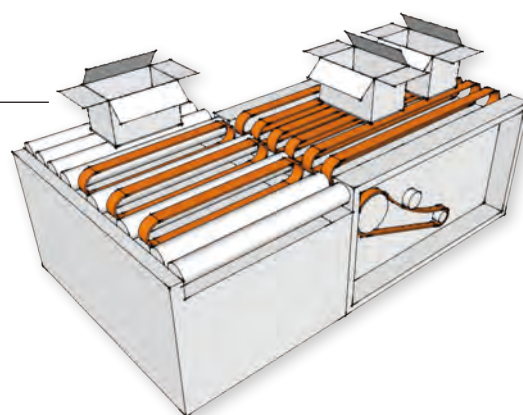
CARTON FORMING MACHINES, PICK & PLACE, CARTON CLOSING MACHINES

Machines that perform a variety of tasks, from building boxes to placing products inside them and gluing, closing and labelling.



INTELLIGENT CONVEYORS

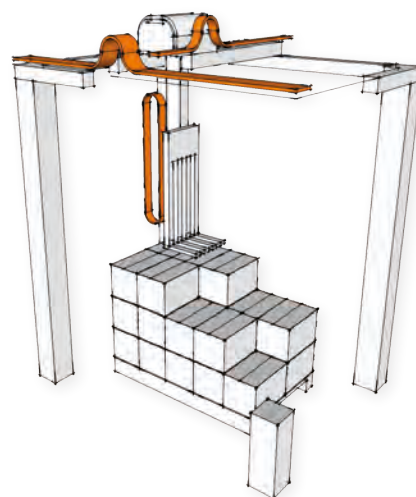
Intelligent conveyors guide the packaging process from start to finish, speed and motion control for optimised flow through all process steps.



BULK packaging

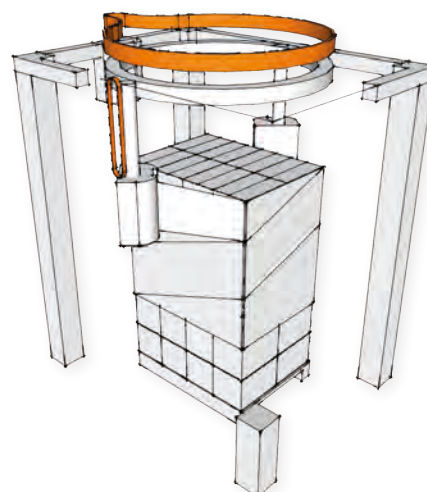
PALLETISING MACHINES

Palletising machines designed to move and stack the boxed product. High speeds and precise movements, which stabilise and align the material correctly, help in stages where the weight for the operator is heavy.



WRAPPING MACHINES

Wrapping machines, the last stage downstream of all the previous processes that stabilise the boxes ready for dispatch.



Customizations



“EFT” (Elatech False Teeth): mechanical profile application system specially designed for fastening cleats, available in stainless-steel. The mechanical false tooth can replace the entire PU tooth of the belt and can be secured to the belt by two threaded holes ensuring strong connection and fast replacing.



“EMF” (Elatech Mechanical Fastening): mechanical jointed belts which allows quick installation and replacement of belts without disassembling parts of the machine and without the aid of specific equipment, with the result of time saving and consequent cost reduction.



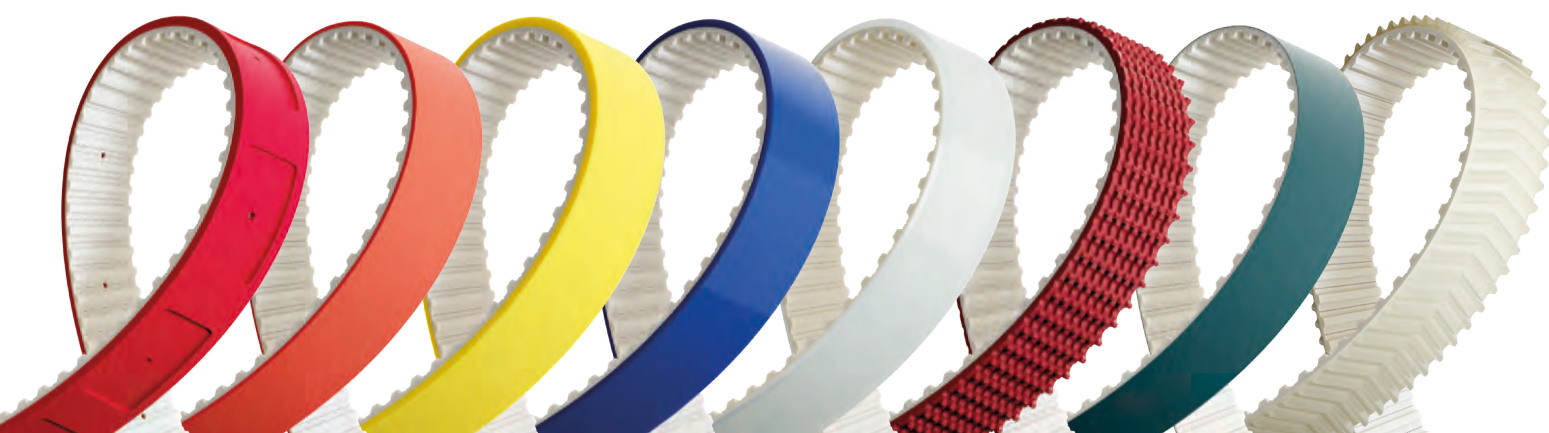
PROFILES can be applied on all **ELATECH® M and V**, **ELA-flex SD®** and **iSync®** polyurethane belts for conveying, handling and positioning applications. The belts with profiles allow a synchronised translation of the products at very high speeds and low noise.



ELATECH® timing belts can be **mechanically processed** to perform special and complex tasks. The extremely precise machining and finishing operations guarantee the respect of the strictest tolerance requirements and the maximum reliability of ELATECH® timing belts in all the most complex and demanding industrial applications.

Backings

The unique chemical and mechanical features of ELATECH® belts together with the possibility of a wide range of backings in different materials make it ideal for all conveying applications where synchronization is required. Unlimited possibilities are available to get a special design.



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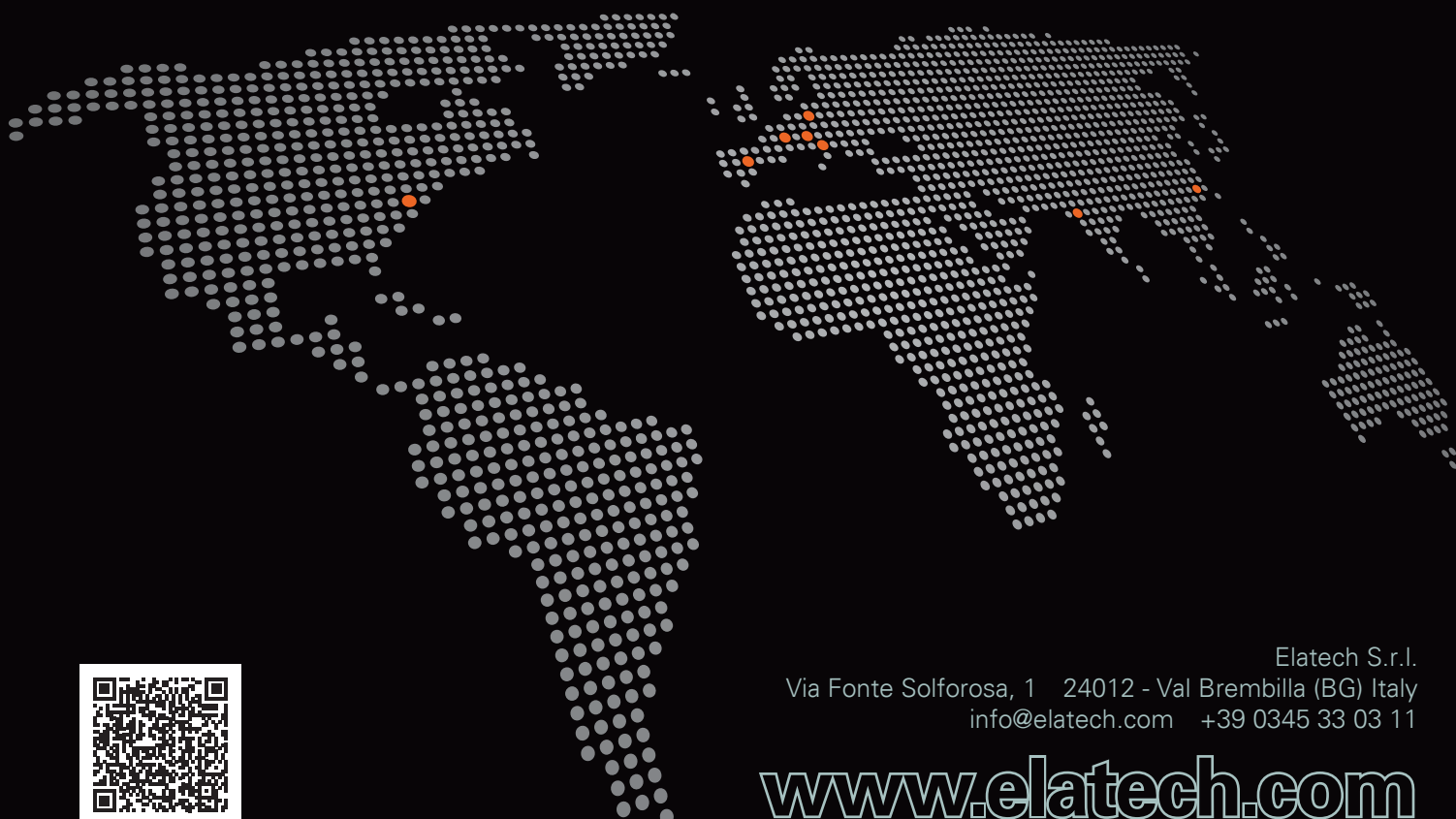
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