



# Timing Belts

Paper and Print



**Elatech**<sup>®</sup>  
Technology in Motion.

## Elatech®

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The development of the writing system was a turning point in ancient times: as culture expanded, the need of written communication increased in order to allow people to share knowledge across different nations. In today's world, it becomes fundamental to facilitate access to information for a wide and diversified audience.

The implementation of advanced technologies in the printing process reduces production times, optimizes manufacturing and it also contributes to reduce environmental impact, especially where this method is employed also for packaging.

Since the beginning of his history **Elatech®** has been developing and manufacturing polyurethane belts specifically designed for this sector: a wide range of products designed to meet the requirements of every step of the paper, printing and finishing process. Our solutions span from book binding, folder-glueers to digital printing. Accurate processing and paper handling, quick belt installation, long belt life, reliable operations and high performance are the key features that our belts can offer to the printing and graphic industry.

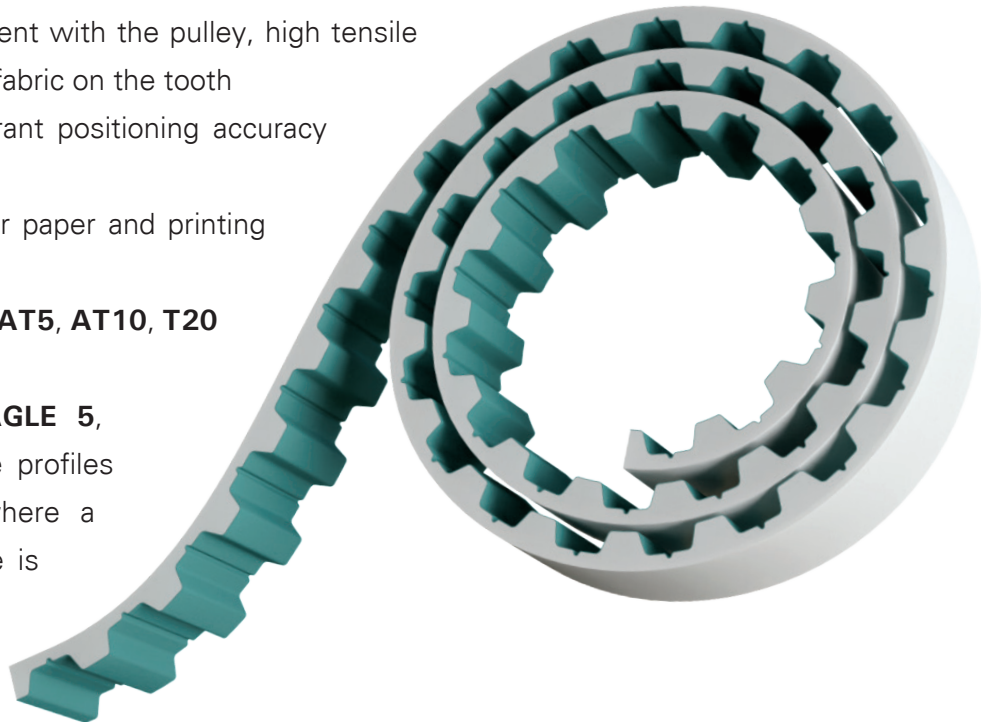


## Profiles

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 for paper and printing industry are the following:

- Trapezoidal toothed profiles: **AT3, AT5, AT10, T20**
- Inch pitch profile: **XH**
- Helical Offset Tooth profiles: **EAGLE 5, EAGLE 8** and **EAGLE 10**. These profiles provide an excellent solution where a reduction in wear, tear and noise is required.

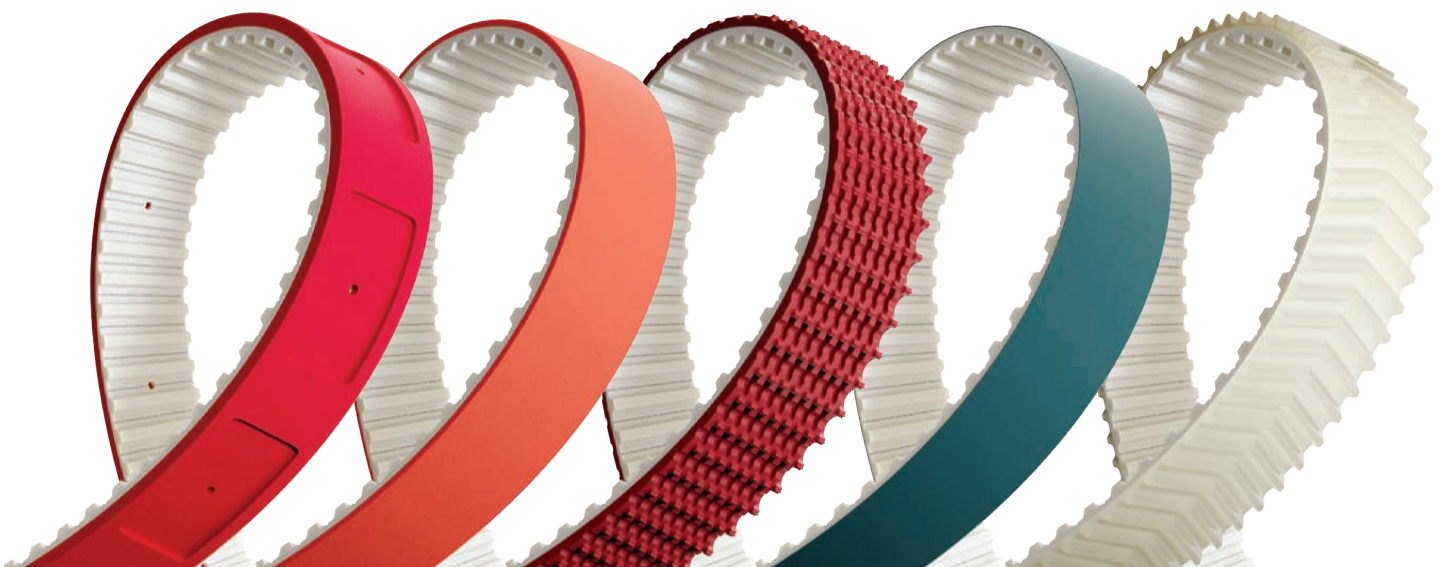


## Backings

A wide range of backings, in various materials, are available to upgrade ELATECH® belts performance, especially in those applications where synchronization is crucial.

The most common backings in paper and printing industry are: rubber, PU, cellular foam.

Each different category provides special features, including: different degrees of hardness, high grip level, resistance to abrasion, tear and wear.

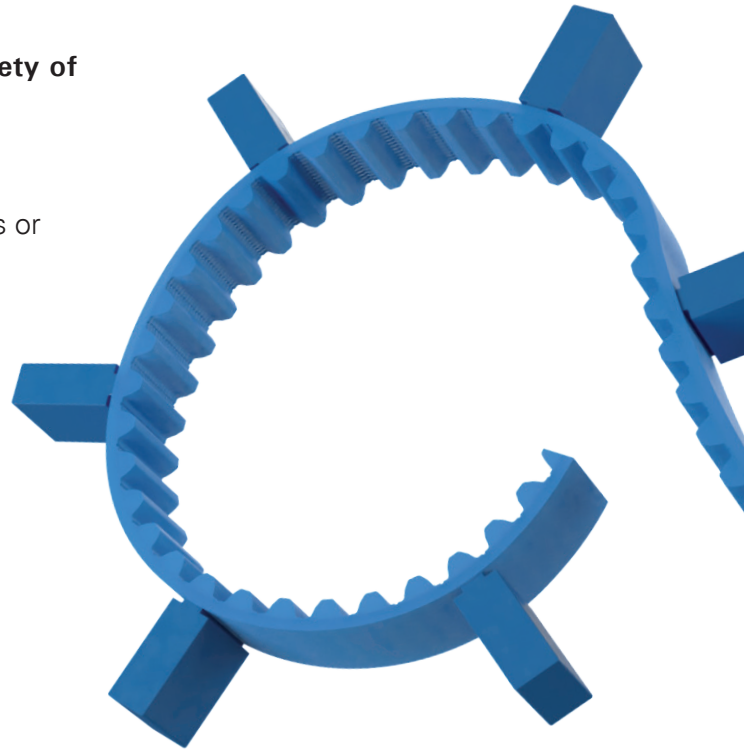


## Cleats

**Belts with cleats allows synchronous transport of a variety of products.**

With ELATECH® application method, the adhesion, the precise positioning and the clean product without burrs or misalignments are guaranteed.

Furthermore, the cleats can be customized with several characteristics according to the application needed (shape, type of material, metal inserts, and more).



## Customizations

ELATECH® has a very extensive know-how in machining and, among the various special products offered, the following are developed for the printing and paper industry.

“**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.

“**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.

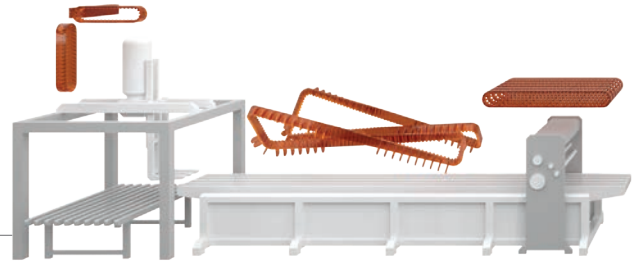
**ELATECH** provides special machined belts to improve performance and meet specific customers’ requirements:

- **Milling** on the toothed side or on the back of belt;
- **Grinding** on the side of belt or on the back;
- **Drilling** by water cut or by punch.



The combination of customizable options, along with superior mechanical and chemical properties, and state-of-the-art manufacturing processes, position Elatech® timing belts as the premier choice for tailored solutions in the paper and printing industry. These belts excel in various specific applications including book binding, folder/gluer, mail/book sorting, plotter printing, die cutting, and more.

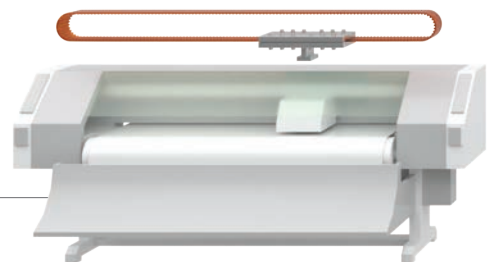
Folder Gluer



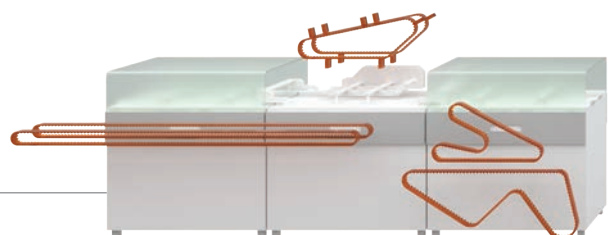
Book Binding



Printing Plotter



Mail Sorting



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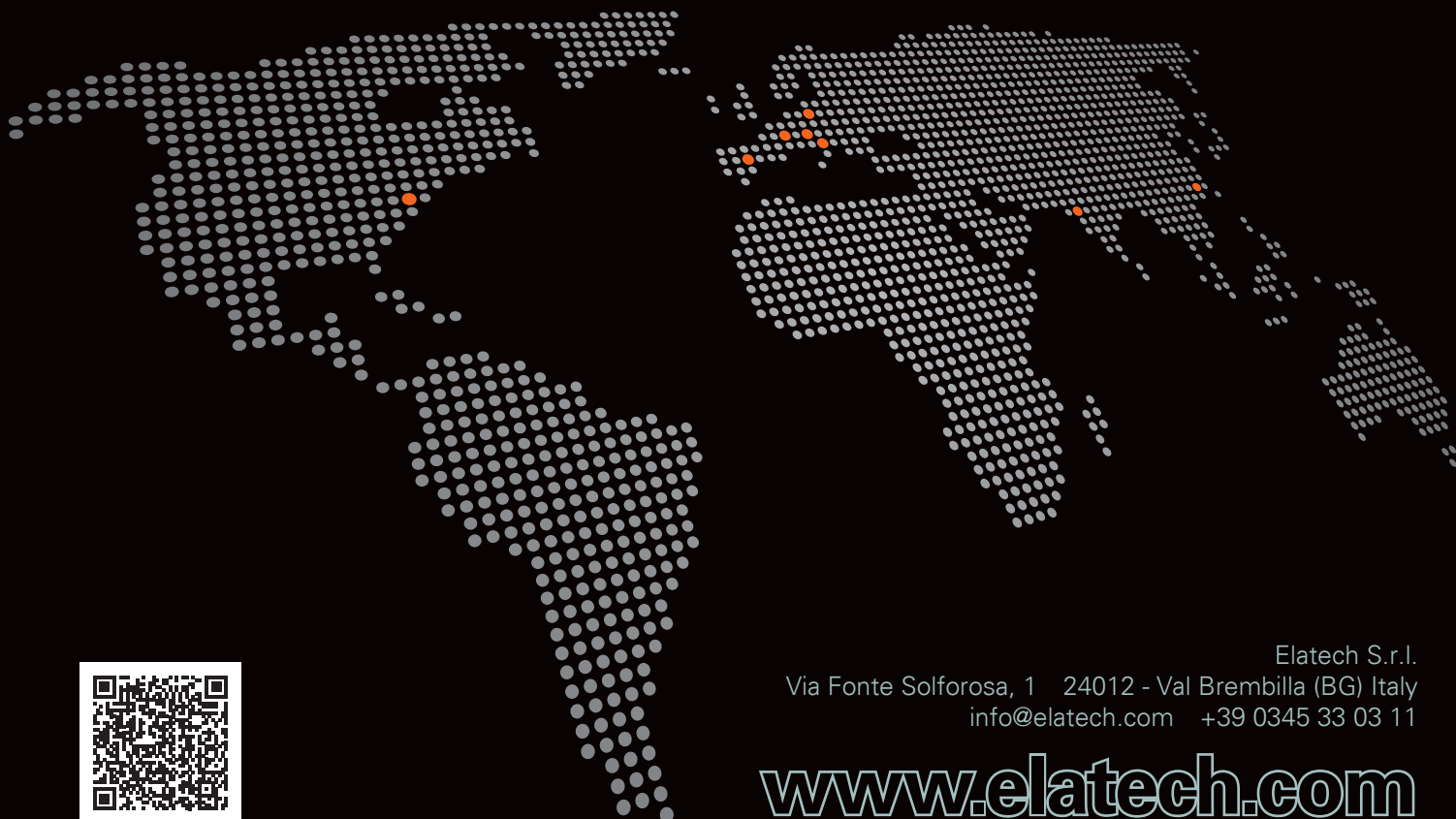
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