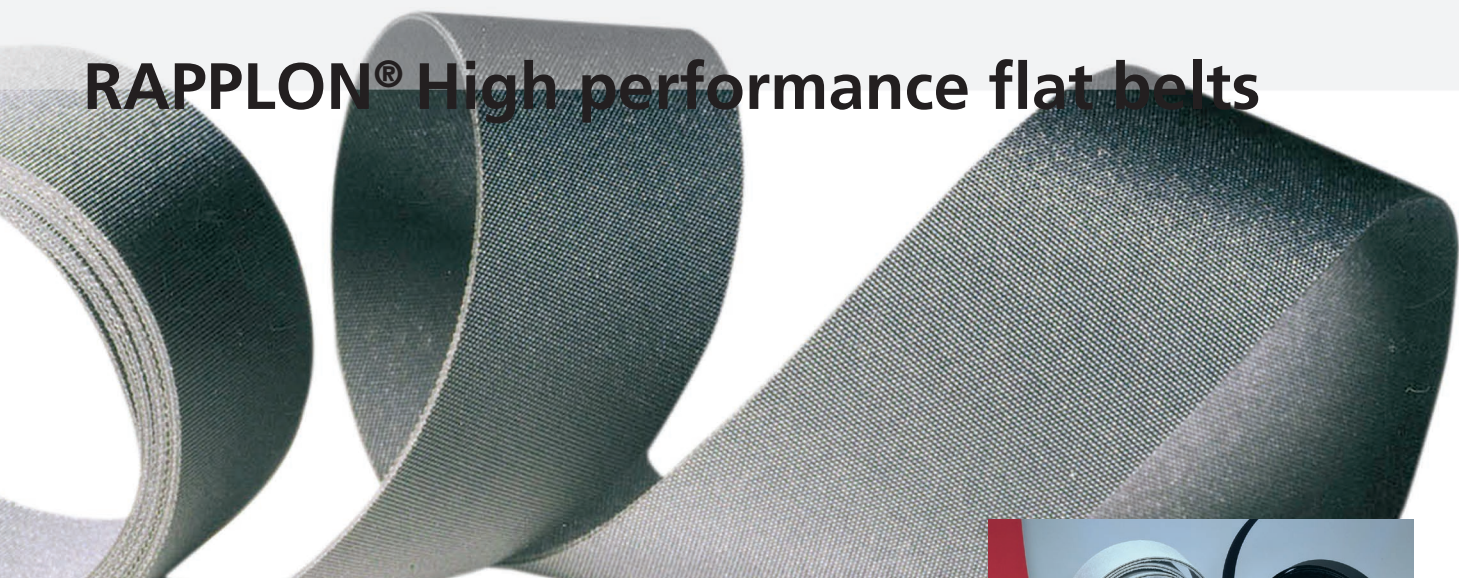


RAPPLON® High performance flat belts



High performance flat belts – accelerate to the most effective performance

RAPPLON® process belts defy the toughest loads, such as those encountered in the printing and paper industries – a fact confirmed by leading machine manufacturers.



High performance flat belts offer outstanding advantages:

- High efficiency
- Maintenance free
- Long service life
- Extended bearing life
- Shock and vibration absorbing
- Energy saving

The production site is located in Rapperswil-Jona/Switzerland where the manufacturing of RAPPLON® High performance flat belts is our competence since the early 60s. In 1993 a new production plant was built to apply new technologies and set new quality standards, considering future market demands.



The new building and equipment comply with the highest environmental laws and standards of Switzerland and Europe.

Continuous R&D efforts and the close collaboration with expert partners are resulting in innovative solutions to our customers. Our aim is to satisfy our customers with unique belting solutions and easy-to-use joining tools resulting in overall higher cost efficiency.

Ammeraal Beltech Switzerland is certified ISO9001-2000 since 1994. Our own quality management team in combination with regular audits make sure that all customer relevant processes are targeting for highest product and service quality. *Ammeraal Beltech* maintains a leading position especially thanks to the customer-oriented acting of our highly motivated and flexible staff members.

Applications



RAPPLON® High performance flat belts serve as drive belts and as machine tapes for industrial processes. Extremely wear-resistant covers, with high grip or low friction, match the ever increasing requirements of uniform and stable speed transmission. To cope with all specific demands our flat belts feature excellent quality coatings like textiles, selected chrome leather, rubber elastomer, natural rubber and thermoplastic elastomers.

On the following pages we show you some industries, where RAPPLON® flat belts are used:

- Print & Paper Industry
- Boxfolding
- Mailsorting
- Logistics
- Power transmission
- Textile Industry

Print & Paper Industry

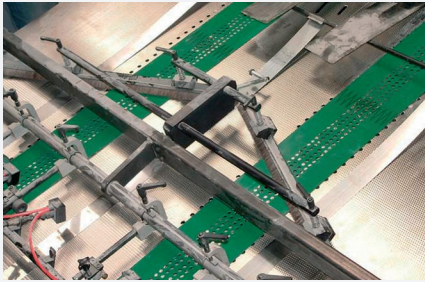
Ammeraal Beltech's High Performance Machine Tapes offer ideal solutions for sheet-fed printing equipment. All belts feature antistatic properties ensuring precise transfer of the paper. Required performance is guaranteed by uniform transport and shingling. The precise belt construction and the high quality finishing secure consistent operation speed and performance.

To maximise belt life we offer latest and innovative belting technology for the extremely demanding and fast folding process in web printing and rotogravure printing systems.

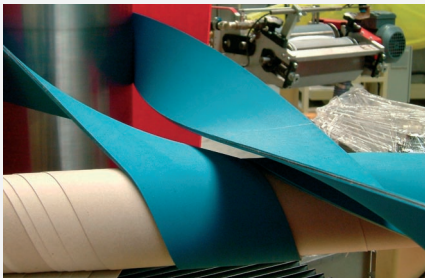
RAPPLON® Machine tapes do not mark paper



RAPPLON® TG E4 RQ is ready within a few minutes thanks to the QuickSplice joining system



Belts with high tensile strength and wear resistant covers for the tube-winding industry



Special belts with maximised lifetime for the speedy folding process in web printing systems

Uniform feed, precise positioning, no ink smear and no marking of paper are typical characteristics of RAPPLON® Machine Tapes. Gentle covers handle the most sensitive papers without marking.

The range offers belts with low and high friction to suit every specific demand. Elastic machine tapes are designed for common shafts and our QuickSplice technique allows fitting of belts within few minutes. This reduces machine down-time with consequent overall maintenance cost savings. Your own maintenance personnel can change belts easily. Our unique guiding system guarantees a perfect splice every time to save time and money, for sure!

Boxfolding Industry

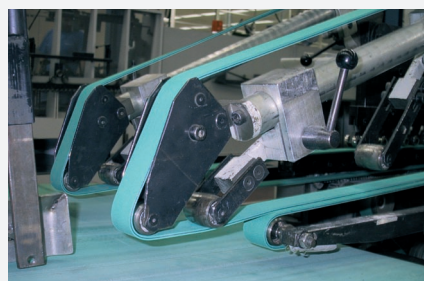
For many years RAPPLON® Folder and Carrier belts have proven their leadership world wide in performance and efficiency. The extremely high flexibility allows precise folding of boxes at operation speeds up to 600 meters/minute. Resistant and non-glazing cover surfaces are properties which extend belts life time substantially.

Our range performs outstandingly at maximum process speeds. For particularly delicate boxes with sensitive surface finishings or embossings we offer solutions with our gentle acting leather covered flat belts. Seamless feeder belts ensure simple fitting, skew-free pulling of the blanks and maximum service life.

RAPPLON® Folder and Carrier are extremely flexible and perform outstandingly at highest speeds



Ammeraal Beltech's Feeder belts guarantee highest production output.



Gentle transport of products at high speed

Mailsorting & Logistics

Ammeraal Beltech is one of the leading belting suppliers of world's major equipment manufacturers and is geared to meet the exacting demands for mail handling applications. Key requirements for these applications are high wear resistance, optimal friction and low operating-noise combined with the benefits of QuickSplice joining.

RAPPLON® tapes ensure a firm and positive pull of documents and at the same time eliminate skewing, jams and sorting errors. Creation and carrying of dust is minimised thanks to antistatic properties and specific surface structures. Purpose-designed stacker belts with gentle cover avoid marking or damaging of mail pieces. For years now leading manufacturers have been opting for the quality of our RAPPLON® High Performance Flat Belts.

High friction belt covers care for positive conveyance whereas low friction surfaces allow for accumulation and diverting applications in roller drive systems. RAPPLON® QuickSplice flat belts have a flexible construction particularly for small pulley diameters and compact machine design. Special belts for drag band conveyors with antistatic properties allow low electrostatic build-up.

Ammeraal Beltech pick-off belts with seamless cast coatings are manufactured with accurate dimensional tolerance. Only precise perforations for vacuum allow ever rising production run yields.



RAPPLON® Elastic belts allow easy fitting on fixed shafts and they perfectly handle mail pieces with different thicknesses.



RAPPLON® QuickSplice flat belts are absolutely insensitive to moisture and therefore extremely dimensionally stable



RAPPLON® Flat belts are highly antistatic. It's an essential property when conveying electronic components.

Power transmission

The classic polyamide core RAPPLON® drive belts remain the prime choice for applications with high start-up torques, severe load fluctuations and safe belt tracking. RAPPLON® flat belts with stretched polyamide foil tension member are easy on bearings and shafts and can be optimally configured for energy saving transmission configurations.

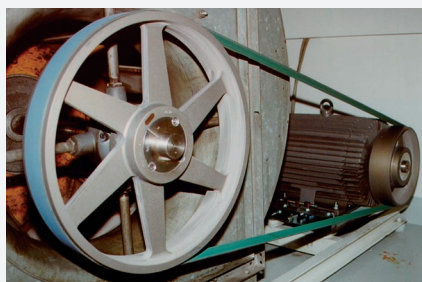
Various covers are available:

- Chrome Leather
 - › for high loads, oily, dusty and wet applications
- Elastomers
 - › for high efficiency
- Grooved rubber
 - › for high start up torque and reduced shaft loads



Our GR and heavy GT-Range conform to ATEX Category 3 Directive 94/9/EC – II 3GD c T80°C

Innovative PES tensile members cover a wide application range. Their extreme flexibility and high strength offer unique solutions enabling drive designs with small pulley diameters and/or high number of flexing. Compact drive designs with shortest tensioning devices are possible. The QuickSplice joining system in combination with our joining tools guarantee quick and safe endless joining without the use of any adhesives. Resulting joints are highly flexible and durable.



RAPPLON® High performance flat belts perform with an efficiency exceeding 98%.



RAPPLON® Flat Belts absorb load peaks thanks to the physical characteristics of the polyamide foil

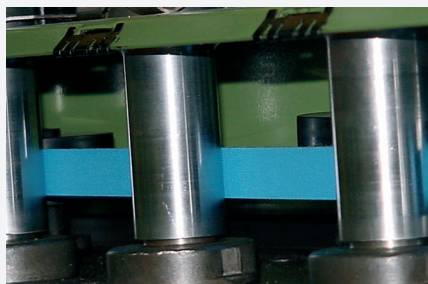
Textile Industry

Ammeraal Beltech offers belting solutions for the entire yarn production line – from cotton cleaning and fibre preparation, through carding all the way to spinning and twisting applications.

Our newly developed range of RAPPLON® Tangential belts with a unique polyester fabric as tension member is specially designed for compact machines with reduced take-ups and high demands on lowest energy consumption. The modern belt construction allows easy joining on-site without using any adhesive. Complete joining tools are available in order to ease belt fitting and to reduce downtime to a minimum. State-of-the-art elastomer covers guarantee maximum efficiency, wear resistance and constant spindle speed for prime yarn quality.

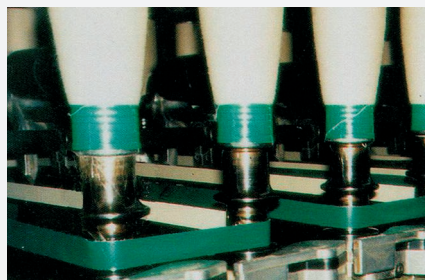
Polyamide core belts cope with high speed applications reducing belt vibration without need of re-tensioning the tangential belt. Thanks to the slippage-free surface high and uniform yarn quality will be achieved during the whole lifetime of the belt.

Uniform yarn quality thanks to slippage-free elastomer cover

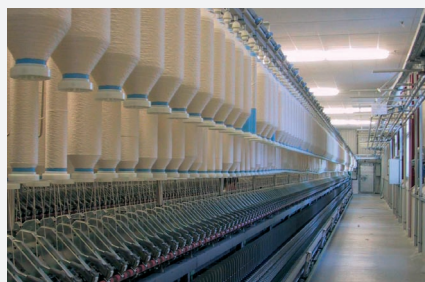


Specific belt constructions ensure longest life time and reduced energy consumption.

The RAPPLON® EC-Tape is the most economical and efficient spindle tape available. It is dimensionally stable and permanently antistatic. Thanks to the light belt construction it is highly flexible and its high friction elastomer cover is abrasion resistant contributing to considerable energy savings.

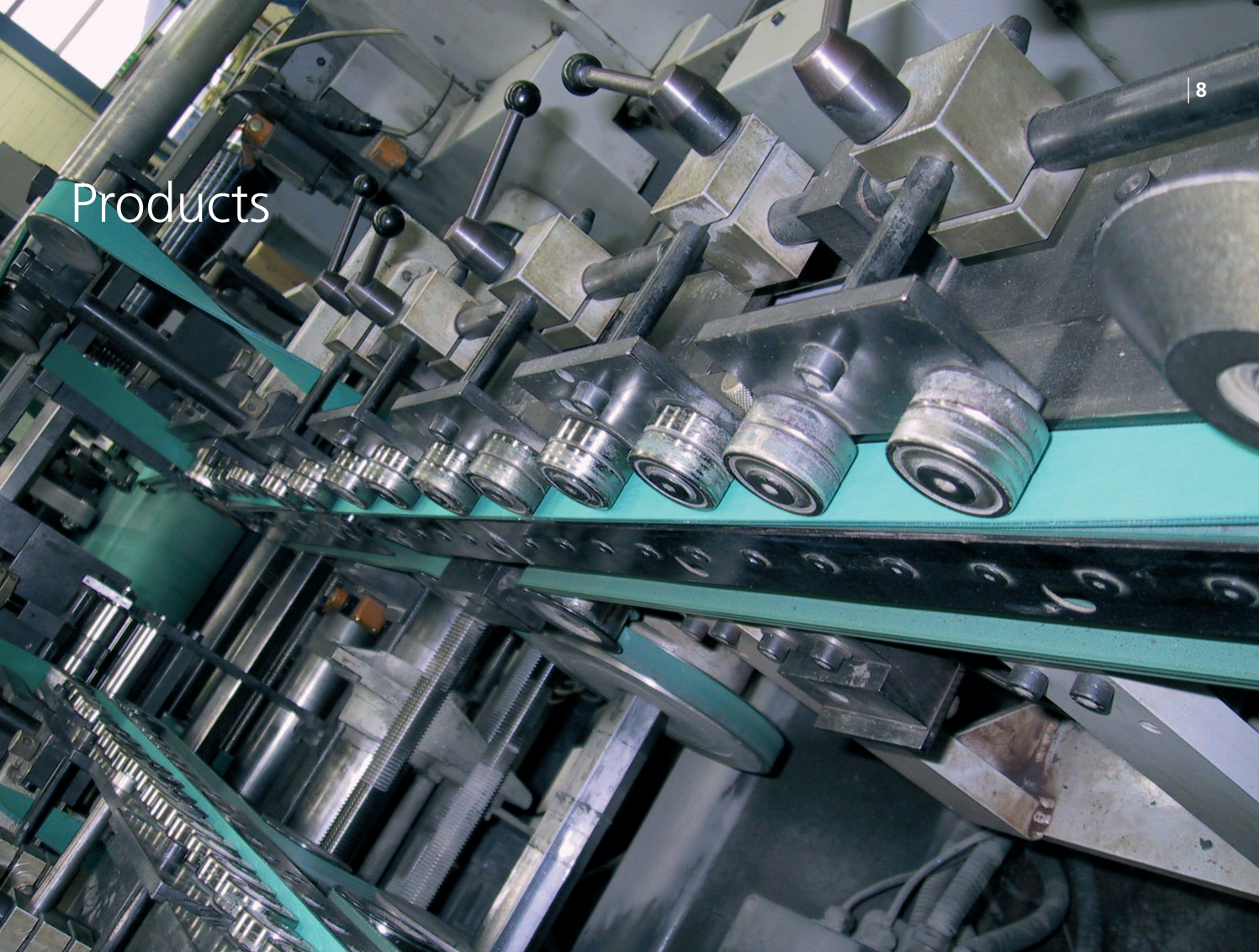


The surface of the RAPPLON® EC-Tape guarantees constant spindle speed although one spindle is braked.



Constant behaviour of the belt over a long period is the demand of the textile industry.

Products



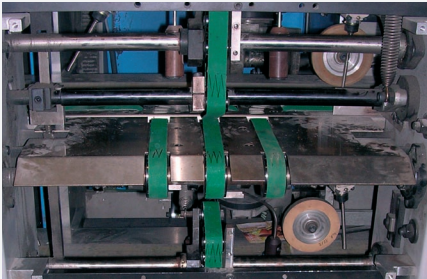
Ammeraal Beltech offers a complete range of traditional polyamide reinforced high-performance flat belt constructions. In addition, we offer belts featuring QuickSplice technology, eliminating the use of adhesives for endless joining.

The RAPPLON® product portfolio

RAPPLON® QuickSplice Belts

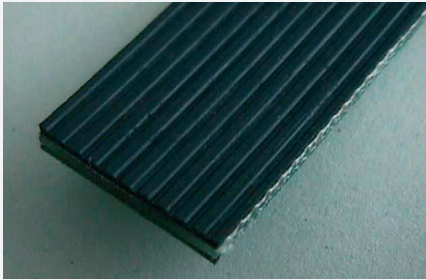
The benefits of reduced splice times, less failures, safer assembly and better performance can be yours. Increasing productivity is a challenge for the industries today. Production deadlines, tight maintenance budgets and reduced profits demand higher overall belt performance than ever before. The focus is on uptime and efficiency. Faster - better - lower cost are the new standards. At Ammeraal Beltech, we continue to meet this challenge by developing innovative product solutions targeted at the specific needs of the industries.

QuickSplice means easy fitting of belts also in tight installations.



RAPPLON® Classic Belts

Traditional RAPPLON® flat belts with a tension member of highly stretched polyamide foil are specifically designed to master high speed with precise tracking and/or high load fluctuations. The shock-absorbing properties of our maintenance-free classic belts extend bearings life time substantially supporting again your goal of cost efficiency.



Our Rapplon® GR-range is the ideal solution for high start-up torques



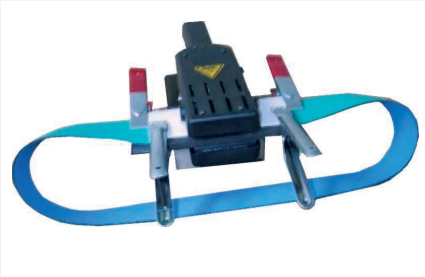
RAPPLON® Tools

Ammeraal Beltech's QuickSplice technology eliminates the need for hazardous cements. Our QuickSplice systems reduce your storage, health and insurance risks commonly associated with traditional chemical splicing. Ammeraal Beltech's Quick Splice concept is virtually error proof! The self-aligning design ensures that you can always have the belt ends in the correct position to produce a reliable splice.

Ammeraal Beltech's QuickSplice concept is virtually error proof!



Our solution... Save time - Save money with QuickSplice technologies!



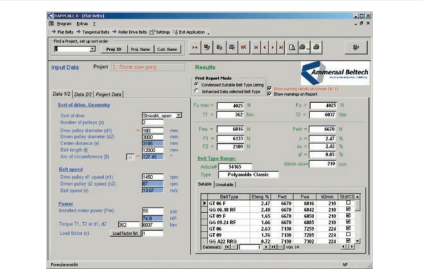
Modern Quick Splice constructions from Ammeraal Beltech are dimensionally stable and unaffected by humidity fluctuations. Once installed our Quick Splice belting do not need any further tensioning adjustments.

Rappcalc 8 Rapplon® Calculation Program

The new Rappcalc calculation program offers high comfort, simple data input and data changes for easy optimizations of drives and belts. The complete RAPPLON® drive belt range is integrated, including the PES Quick Splice range. Belt selection has never been so easy!

Rappcalc 8 always leads you to the best solution whatever the flat belt application:

- Power transmission
- Life roller drive for logistics
- Tangential belt for the yarn processing in the textile industry



All programs are project oriented and allow easy saving of results on your PC, simple retrieving of your stored data and very easy copying of all data for re-use in another calculation. Your personal settings allow for extensive information and results printing reports in English, German, French, Italian and Spanish language.

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