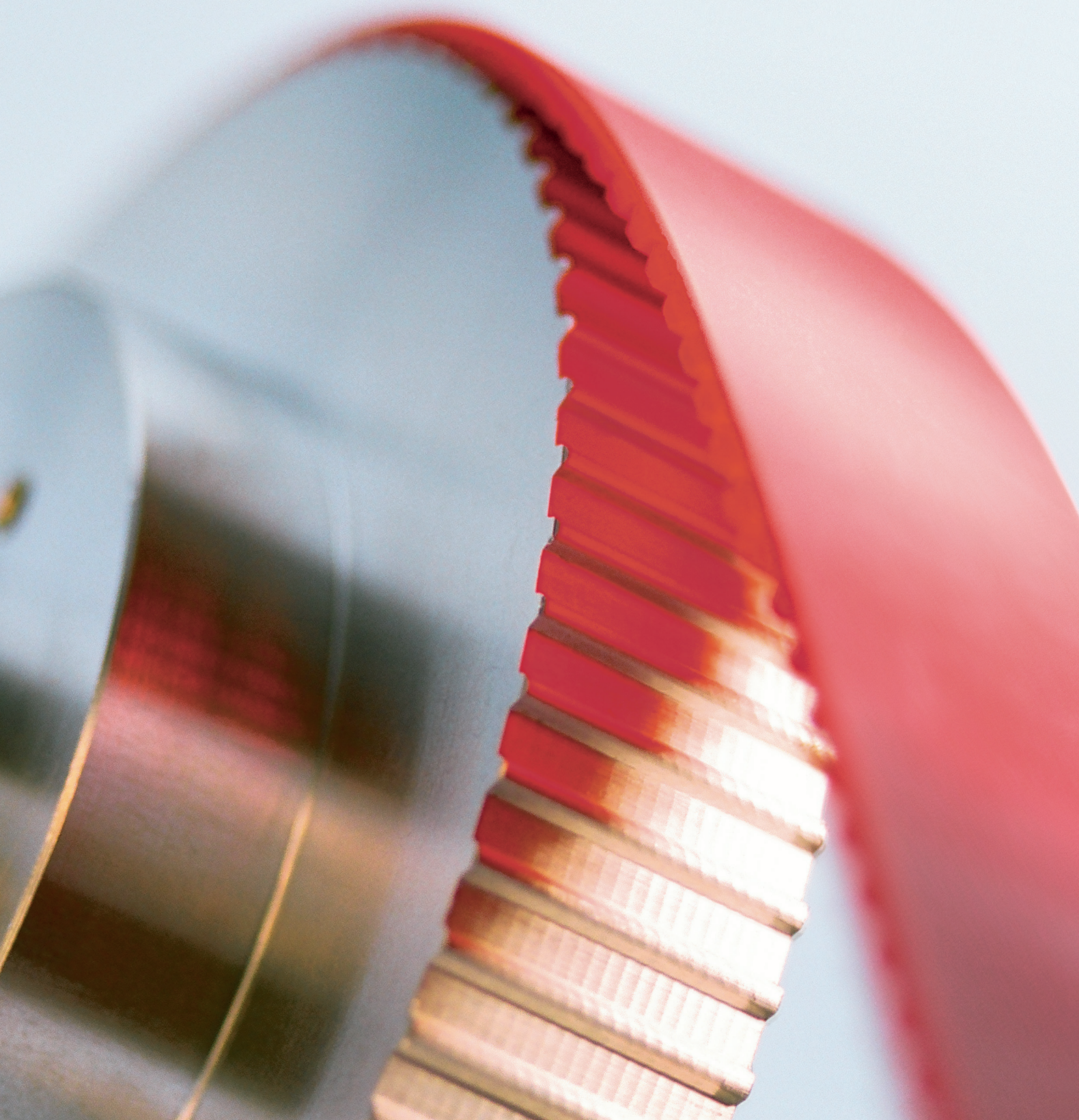
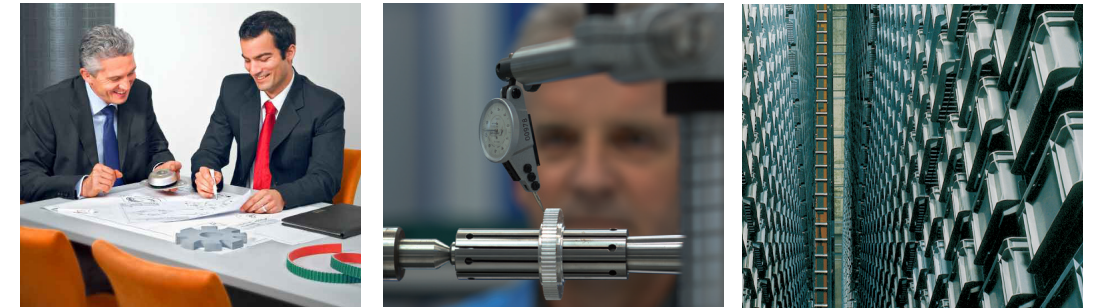


APSOdrive®
Drive and Transmission Solutions

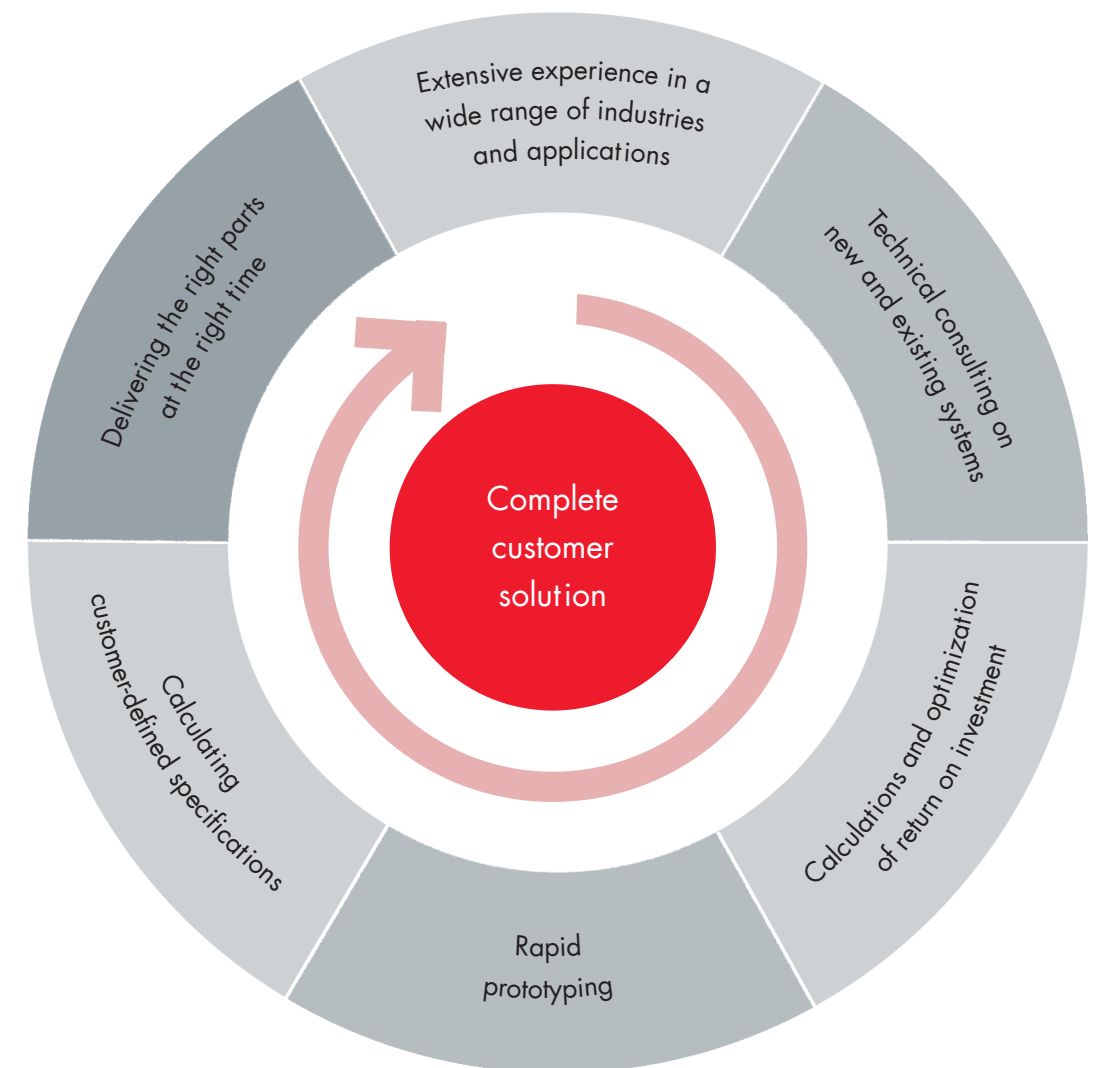


APSOdrive® – Success Factors of a Drive System



Customized Engineering Services, Top Quality Components and Global Logistics

Choosing the right materials, parts and configurations is complex, time-consuming and critical for the success of a drive system. We at Angst+Pfister have over 30 years of experience engaging with our customers to tackle such challenges. APSOdrive® is our way of providing our customers a complete customized solution for their drive and transmission requirements.



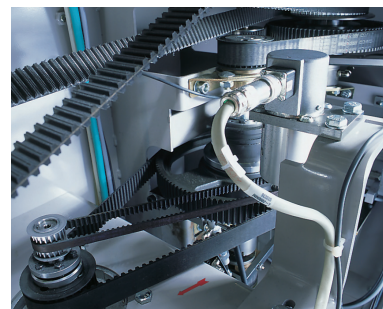
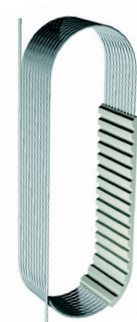
APSOdrive® – Timing belts overview

Whether made of polyurethane or rubber, a variety of tooth profiles and pitches have been specially designed to meet the most demanding requirements in industrial applications.

No matter how complex your application is, our engineering team will help you to configure the right timing belt in order to provide you with the best solution. New applications are constantly driving the demand for special belts in all possible configurations.

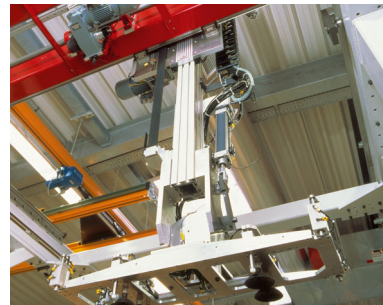
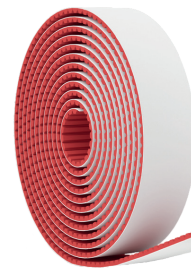
Endless timing belts for power transmission applications individually manufactured tooth by tooth

- Manufactured in endless lengths without interruption of the tension members
- Can be operated both in continuous operation and in start/stop operation
- Available in standard and intermediate lengths up to 30'000 mm



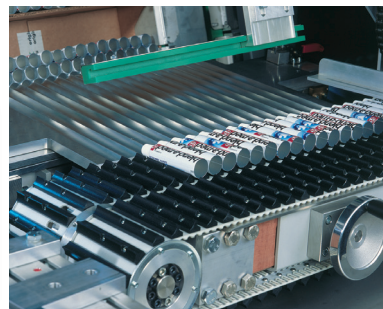
Timing belts by meter for linear transmission applications

- Manufactured as open length belts
- Used in applications such as industrial robots, racking systems, cutting and drawing plotters and in handling systems
- Suitable for high accuracy positioning and smooth movements in all directions



Welded timing belts for conveying applications

- Made from open length polyurethane timing belts
- Achieve at least 50% of the permissible tensile force of endless belts
- Can be welded in any specified length



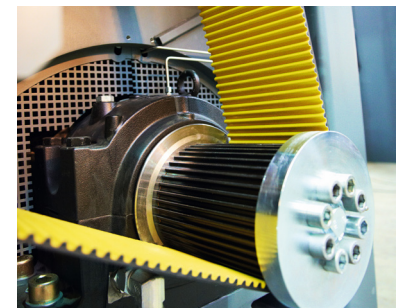
Rubber timing belts

- Broad range of rubber timing belts made of chloroprene with glass fibre tension cord, shear strength teeth and running surface protective fabric
- High performance specifications to meet the strict requirements of extremely demanding drives
- Maintenance-free



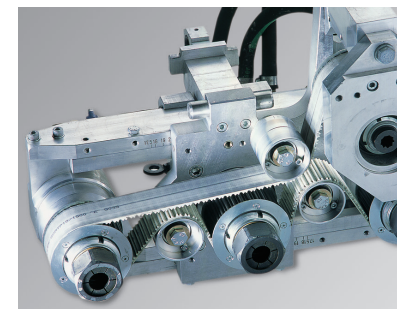
Synchrochain

- Heavy-duty polyurethane timing belt for heavy-duty applications with extremely high torques
- High tear strength combined with extraordinary tensile force
- Cord tension member available either in aramid or carbon



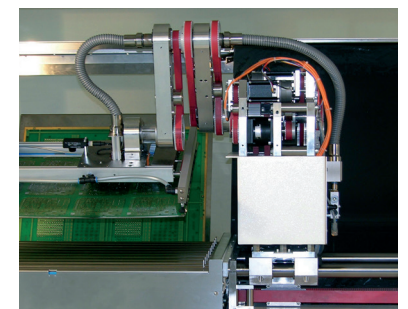
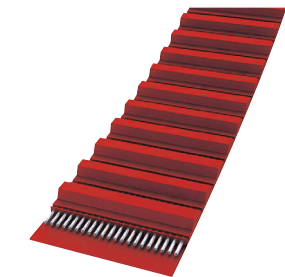
Flex

- Polyurethane timing belt with a high grade steel cord tension member manufactured as endless belt with no interruptions or joints
- Maximum endless length up to 30'000 mm



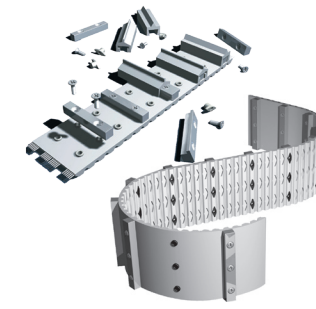
Move

- Compact design, lower friction and improved performance
- Specifically developed for high-performance drives and traction drives requiring a high degree of stiffness



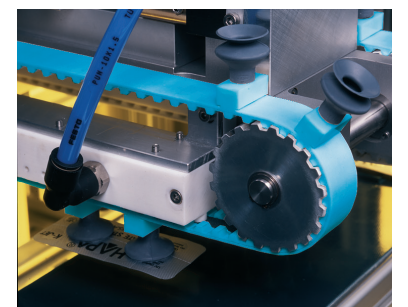
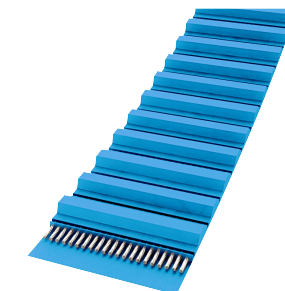
ATN System

- Specially designed for transport and convey technology
- Exchangeable profile fastening system in the belt tooth, which allows the individually manufactured profiles to be fitted or replaced as required



Protect

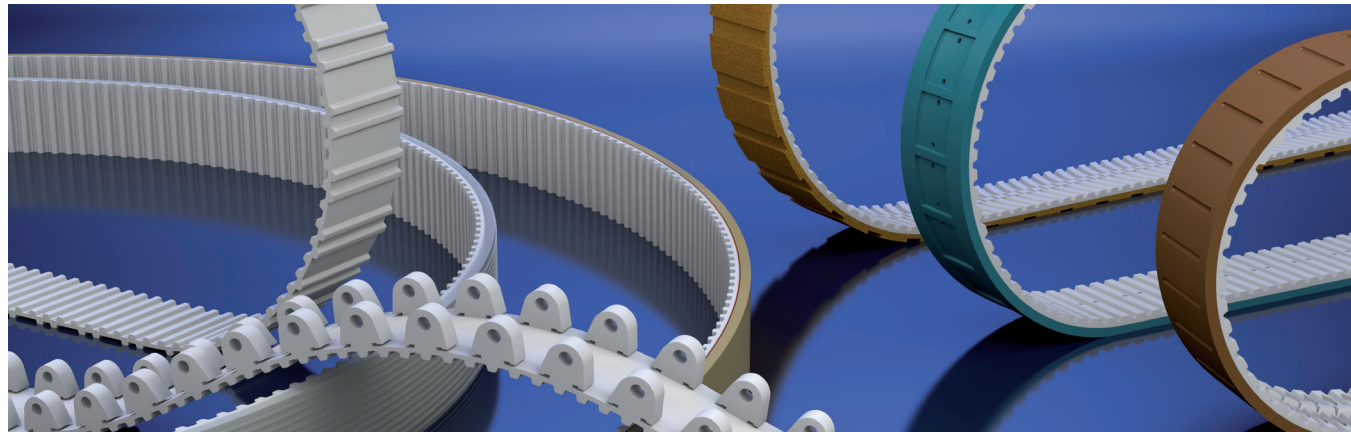
- Meets the strict requirements for direct food contact due to the dead space-free design of the belt and its characteristic blue color
- Specifically designed for use in moist environments in which conventional timing belts would show signs of hydrolysis



Timing belts reworkment capabilities and coatings

Angst+Pfister provides a wide flexibility in tailor-made belts in order to meet customer requirements. Everything is possible, from customized belts to milling, drilling, grinding and the removal of teeth.

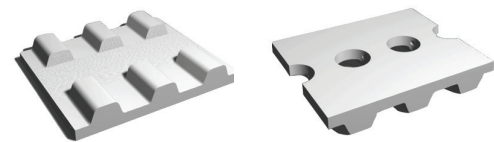
Certain backings make it possible to ensure synchronous transport and positioning of goods for special machining and processing operations. Pockets, contours, slots, holes, etc. can be precisely machined for each requirement.



Belt coatings are available in a wide variety of cover materials which are bonded to the back of a timing belt. Superior know-how and state-of-the-art processes assure a strong high performing bond to the polyurethane belt materials.

Modern production methods make it possible to coat any polyurethane timing belt. The selection of the most appropriate and best performing backing material depends on the backing characteristics required by each specific application.

Further adjustments like milling, drilling, grinding or teeth removing are additional reworking capabilities.



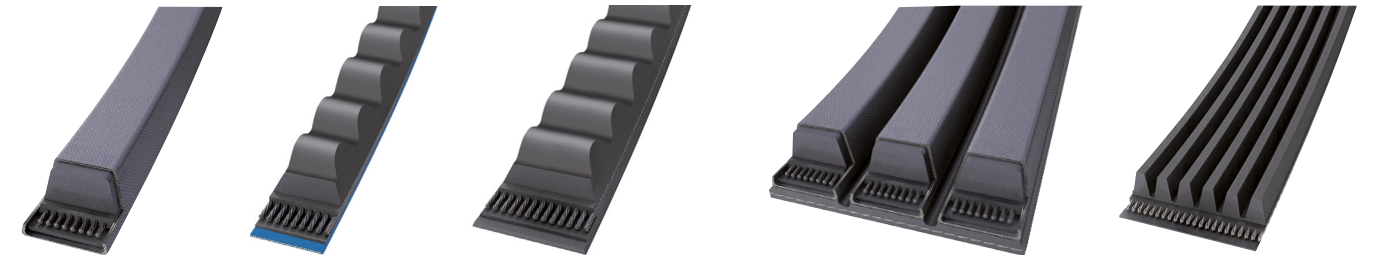
Examples of milling (left) and drilling (right).

Our global distribution platform, standard assortment and customizing capabilities enable a wide range of applications in a broad spectrum of industries like Food Processing, Packaging and Machine Manufacturing. Contact us for our engineering services and we will develop the best solution for your individual needs!



APSOdrive® - V-belts

A wide variety of V-belts - standard, narrow, raw edge and poly - to meet all types of durability and flexibility requirements.



APSOdrive® - Pulleys, clamping plates and tension rollers

Whether a standard or custom solution is required, Angst+Pfister provides a complete range of pulleys and other timing belt components that are carefully integrated into the entire portfolio of timing belts and V-belts.

High-quality pulleys and belt drive components can be manufactured from any combination of materials such as aluminium, standard steel, stainless steel or cast iron. Surfaces can be treated by anodizing, hard anodizing, galvanizing, burnishing, phosphating, plasma coating, nitrocarburizing and other common processes.

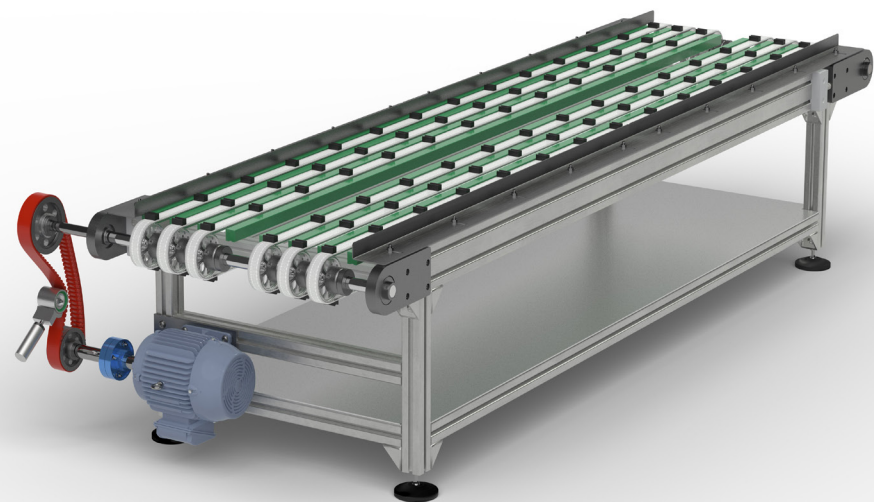


APSOdrive® - Couplings

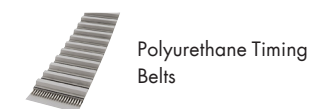
An extensive range of couplings in order to provide the perfect solution for every customer application. This includes minimizing wear on A-components such as gearboxes or motors, but also damping vibration and noise, leading to a reduction of energy loss.



APSOdrive® – from customized product development to mass production



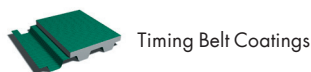
Belts & chains



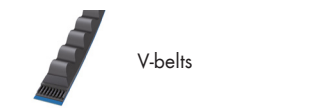
Polyurethane Timing Belts



Rubber Timing Belts



Timing Belt Coatings



V-belts



Chains

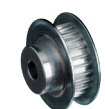


Flat Belts



Round Belts

Pulleys, timing bars and sprockets



Timing Pulleys



Timing Bars



Flanges



V-belt Pulleys



Sprockets



Gear wheels module

Other components



Couplings



Tension Rollers



Taper-Lock Bushings



Clamping elements



Bearings

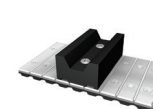


Clamping Plates

Accessories



Rails and Guides



Cleats



Measuring Devices

Services from Angst + Pfister Group

Angst + Pfister – Your supply and solutions partner

The Angst + Pfister Group is a leading international technical manufacturer and service provider for high-end industrial components. As a supply and solutions partner for engineering plastics, sealing, fluid handling, drive, and antivibration technology as well as

sensors, Angst + Pfister combines efficient logistics concept with comprehensive product-specific application engineering services. Besides providing customer-specific parts, the Group offers a product range consisting of approximately 100,000 standard items.

Our core product divisions



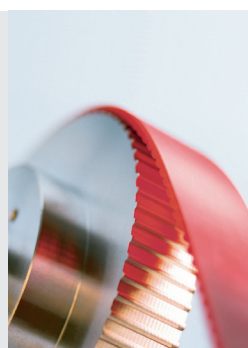
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Technology



APSOseal®
Sealing
Technology



APSOfluid®
Fluid Handling
Technology



APSOdrive®
Drive
Technology



APSOvib®
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Technology

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