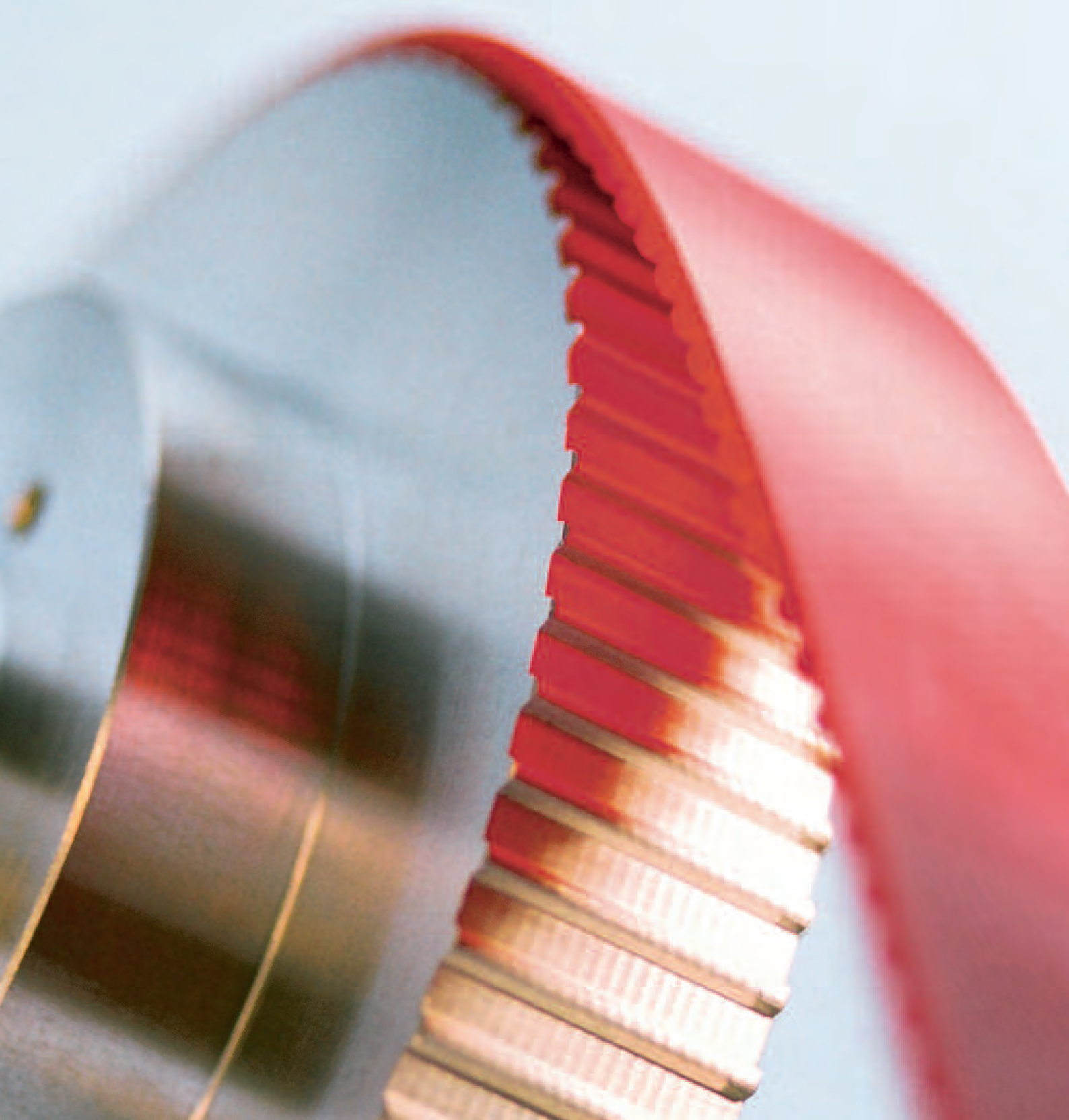


APSOdrive®

Drive and Transmission Solutions



## APSOdrive® – from customized product development to mass production

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.



### **Engineering Services**

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Angst+Pfister engineers have extensive international experience in optimizing drives and transmissions. We address our customers' challenges through the following services:

- Technical consulting on new and existing systems
- Selection of optimal drive solution
- Calculation and layout of mechanical transmissions
- Application of calculation programs
- Optimization of price vs. performance
- Rapid prototyping, customized solutions

We strive to develop the optimal solution by implementing a combination of standard parts or by developing new, customized parts and prototypes.

### **Quality Components**

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Angst+Pfister partners with a powerful network of leading manufacturers to identify and procure the right components for our customers' solution requirements. As an ISO 9001:2000 certified company, we are committed to ensuring full compliance to customer-defined quality specifications.

### **Reliable Logistics**

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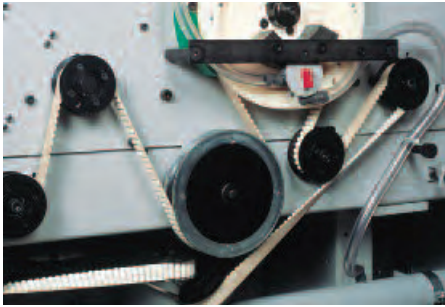
Delivering the right parts at the right time requires a comprehensive logistics infrastructure. Our logistics center is fully automated with electronic order tracking. Our international presence enables us to provide our customers reliable, on-demand parts delivery, regardless of their geographic location.



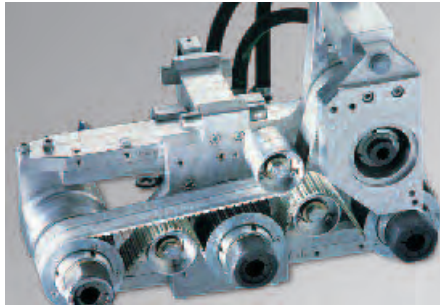
## A variety of solutions for different applications

Whether it be linear or radial positioning, material transport or power transmission, we strive to find the most practical and effective solutions to address your dynamic drive requirements.

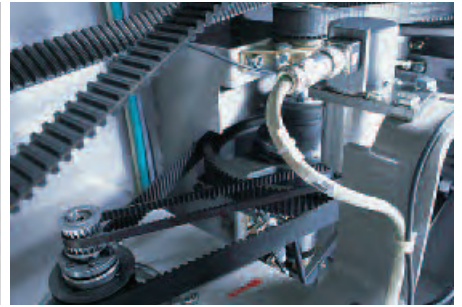
### Power Transmission



Newspaper Insert Machine

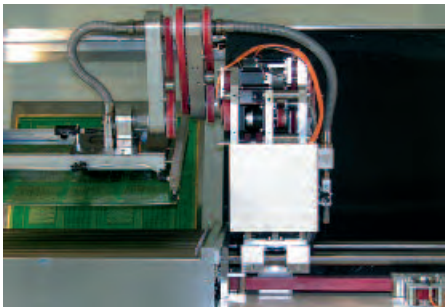


Triple Hydraulic Drill



Box Spring Machine

### Linear Drives



Electronic Board Transport



Logistics Transport

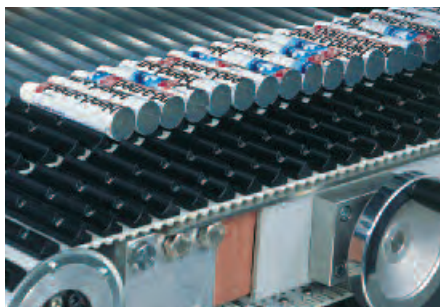


Automatic Door System

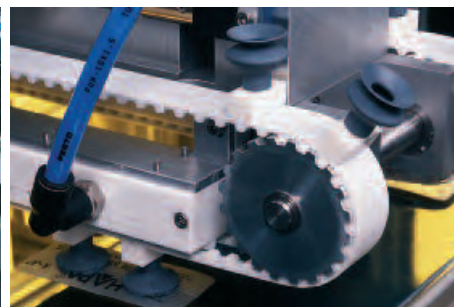
### Transport Solutions



Angular Test Tube Transport



Toothpaste Tube Transport



Blister Packaging Transport

Our customers define APSOdrive®. We deliver a customized solution. [www.apsodrive.com](http://www.apsodrive.com)

## APSOdrive® Timing Belts

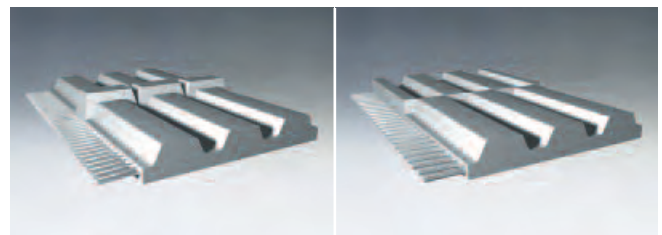
A wide variety of tooth profiles have been introduced over the last 60 years in order to meet technological requirements. New applications continually drive the need for specialized belts in all sorts of configurations. We help you to combine the right profiles and belt treatment with the required application. No matter how complex the task, APSOdrive® provides you with a solution.

### APSOdrive® tooth profiles available in endless and linear belts, pulleys and clamps

Profile		Polyurethane	Neoprene	Dual	V-Notch
T		•		•	•
AT		•		•	•
ATP		•		•	
SFAT		•			
BAT		•			•
ATN		•			•
K		•			
HTD		•	•	•	
STD		•	•	•	
CTD		•	•		
RPP		•	•	•	
M		•	•		
XL		•	•	•	
L		•	•	•	
H		•	•	•	
XH		•	•	•	•
XXH			•		

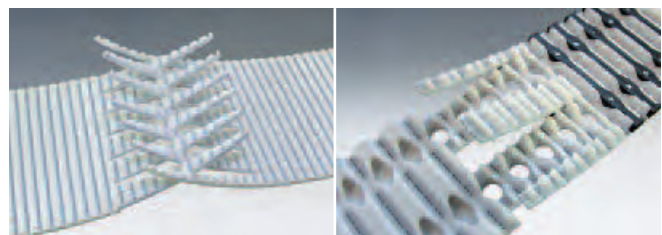
### Self-Guiding Profiles

- V-notch
- Various profiles
- Customized



### Belt Joints

- V-cut welded joints
- Finger-cut welded joints
- ATN locks



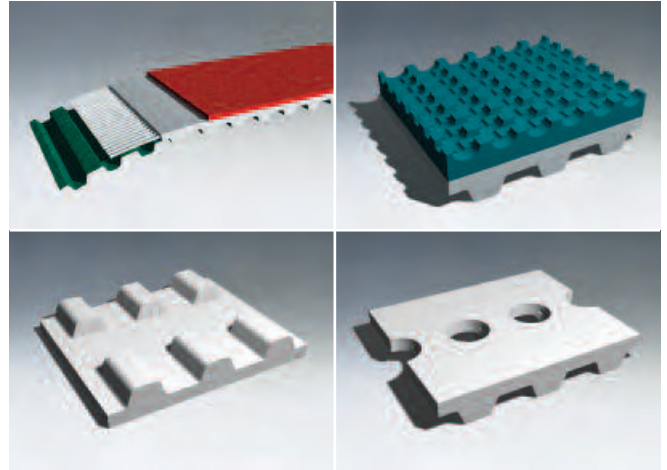
## APSOdrive® Belt Customization

### Customized Belt Modifications

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APSOdrive® provides wide flexibility in modifying belts to meet your custom requirements:

- Custom molded belts
- Milling and drilling of belts
- Grinding
- Polyamide layering
- LINATEX® and other material layering
- Steel, nylon, polyester, aramid and fiberglass cords

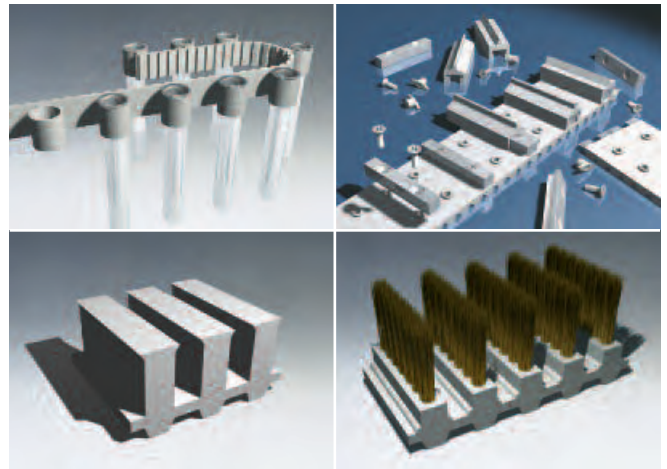


### Standard and Custom Cleats

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APSOdrive® employs various manufacturing capabilities for development and integration of custom and standard cleats:

- Welded cleats
- Molded cleats
- Screw-fastened cleats
- Glue-fastened cleats

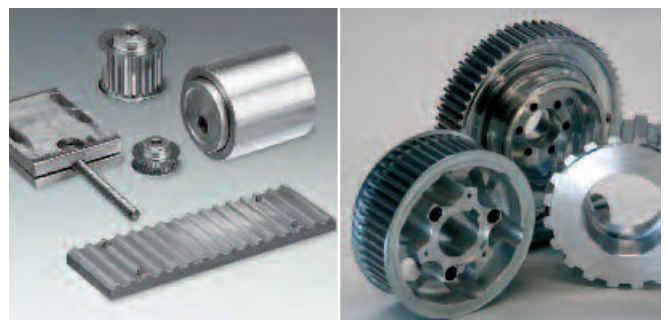


### Around the Belts

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Regardless if standard or customized, APSOdrive® provides the solution:

- Pulleys
- Pulley tensioners
- Clamps
- Tension plates
- Tension rollers
- Guide rails
- Tension meters





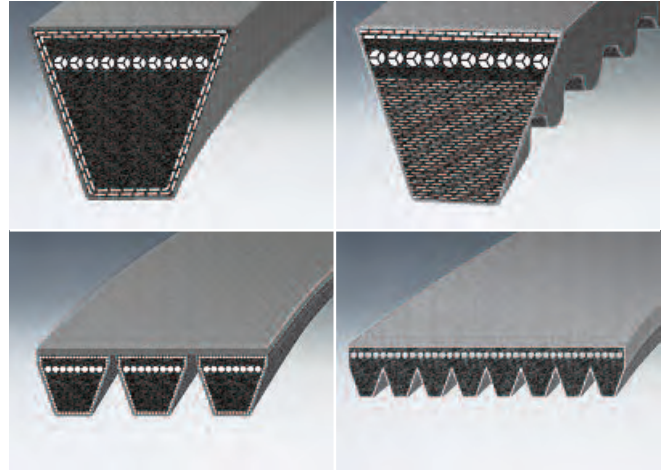
# APSOdrive® Power Transmission

## V-Belts

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Wide variety of V-belts to meet all types of durability and flexibility requirements:

- Classical and high-performance V-belts
- Open flange V-belts
- Power bands
- Poly-V
- Standard and custom pulleys

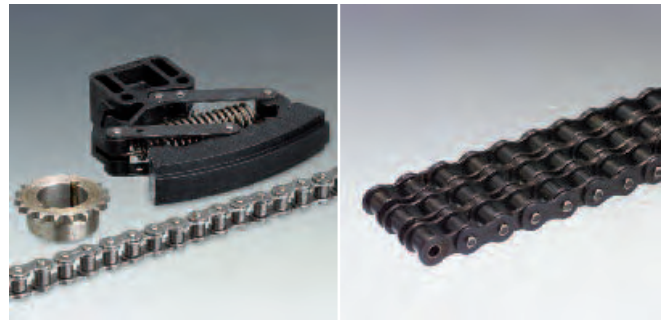


## Chains and Sprockets

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APSOdrive® provides high flexibility to cover a wide range of transmission requirements:

- Single, double or triple chains
- Standard and custom sprockets
- Tensioners and rails



## Couplings

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APSOdrive® offers a wide product range of power transmission components and drive systems to provide a complete solution:

- Torsionally elastic couplings
- Torsion-proof couplings
- Torque limiters
- Frictional wheels



## APSOdrive® Motors and Other Components

### Electrical Drives

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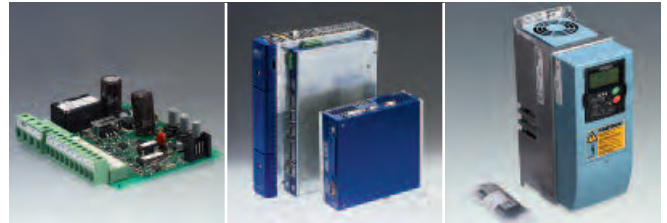
- DC motors
- Servo motors
- Asynchronous motors



### Drive Controllers

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- DC controller
- Servo controller
- Frequency controller



### Other Transport Solutions

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- Transport belts
- Rails
- Cleats



## APSOdrive® Customer Values

Angst + Pfister specialists utilize engineering knowledge and tools to deliver customized APSOdrive® solutions.

- Efficient development of new and competitive solutions
- Shorter development time
- Best price-performance ratio
- Concentration on core business
- Lower costs for development, production and stock

## Angst + Pfister – Your Supply and Solutions Partner

The Angst + Pfister Group is a leading international technical distributor 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 concepts with comprehensive product application engineering services. Besides providing customer-specific parts, the group offers a product range consisting of approximately 150,000 standard items.

### Our core product divisions



APSOplast®  
Engineering Plastics  
Technology



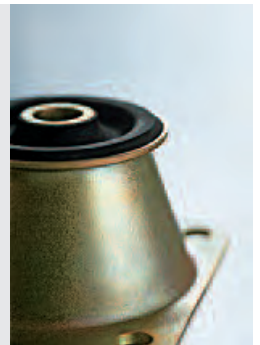
APSOseal®  
Sealing  
Technology



APSOfluid®  
Fluid Handling  
Technology



APSOdrive®  
Drive  
Technology



APSOvib®  
Antivibration  
Technology

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