



## Industry Overview

Automation and robotics systems rely on smooth repeatable motion. BRECOflex timing belts and pulleys provide that high-precision performance through a wide range of solutions and customization options, engineered to keep actuators, servo drives, and robotic devices operating reliably over the long term.



Scan here for more info

## BRECOflex Benefits

### Excellent durability & precision:

Optimized PU belt and pulley designs deliver superior accuracy and reduced backlash while resisting elongation and maintaining load capacity

### Extensive product lines & customizations:

Products for linear drives, power transmission, and conveying, including stock and custom pulleys, accessories, belting materials, backings and more

### Free design engineering support:

Meet exact application and design needs from the get-go with free personalized support from our application engineering team and online design tools

## Product Highlights

### move-series®



**75% higher** stiffness

**30% higher** tooth shear strength

Open-ended truly endless constructions for linear & power transmission drives

Engineered for high loads, reduced backlash, and superior wear resistance, useful for **precise motion**

### ARC-Power® series



Arc-shaped teeth provide **consistent, smooth engagement**

**Reduced polygonal effect** and no lateral movement for straight tracking

**Less noise and vibration**

## Common Industry Applications and Potential Solutions

Applications	Priorities	Belt Options	Modifications & Accessories
Chain to belt conversions	<ul style="list-style-type: none"> <li>• High load capacity</li> <li>• Stiffness</li> <li>• Low maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• <b>move-series®</b></li> <li>• Standard timing belts</li> <li>• Custom timing belts</li> </ul>	<ul style="list-style-type: none"> <li>• Custom steel pulleys</li> <li>• Coated pulleys</li> </ul>
Gantry systems	<ul style="list-style-type: none"> <li>• Low elongation</li> <li>• High accuracy &amp; repeatability</li> <li>• Longevity</li> </ul>	<ul style="list-style-type: none"> <li>• BAT/ARC-Power®</li> <li>• ATL-series belts</li> <li>• Self-tracking belts</li> </ul>	<ul style="list-style-type: none"> <li>• Standard and custom clamps</li> <li>• Standard and custom pulleys</li> </ul>
Servo motor power transmission	<ul style="list-style-type: none"> <li>• Low inertia</li> <li>• High accuracy</li> <li>• Torque and speed capacity</li> </ul>	<ul style="list-style-type: none"> <li>• <b>move-series®</b></li> <li>• SFX/GEN III belts</li> <li>• BAT/ARC-Power®</li> </ul>	<ul style="list-style-type: none"> <li>• Standard and custom pulleys</li> </ul>